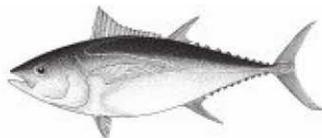


Vol. 28, no. 1

June 2016

ISSN 1015-3217

Editorial



Bula from PIMRIS Coordination Unit in Suva!

We are back to normal after network connections were restricted following the devastation caused by tropical cyclone Winston early this year although many rural communities are still recovering. Vinaka to all who sent in messages and contributed to the many recovery efforts to assist the worst affected communities in Fiji. You made a difference!

There were many fisheries and marine related developments around the region during this biannual coverage, but the most significant and widely covered news items involved the tuna fisheries negotiations. While the Parties to the Nauru Agreement (PNA) agreed at their annual meeting in April in Kiribati to maintain the current Vessel Day Scheme (VDS) which has been raking in more than US \$400 million annually, the United States-Pacific Islands Fisheries Treaty managed by the Pacific Forum Fisheries Agency hit a snag in January. This resulted in new negotiations and an interim agreement. These two regional developments and many other marine related events and activities around our region are highlighted in this issue.

We are again reminding our readers, friends and partners, to check out our online resources available from the [PIMRIS](http://pimris.usp.ac.fj) website (PIMRIS databases etc.) via the USP Library page or send us an email: pimris@usp.ac.fj. Should you have any news item or short article for our next issue (Dec.) please do let us know. We welcome any suggestions for the improvement of our services or donations for our collections. All best for the rest of the year!

Susana Macanawai, *PIMRIS Coordinator*

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Coral reef in Fiji damaged by Cyclone Winston early this year. (Photo: Sangeeta Mangubhai - WCS)

---Opinions expressed in articles included in the PIMRIS Newsletter do not necessarily represent those of any participants. --

Directory

PIMRIS is a cooperative network of fisheries and marine resources libraries and information centres in the Pacific. Participants include national ministerial libraries and regional agencies listed below.

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New Faces, New Places

Bula! Welcome!

Jamie Bloss, joined USP Laucala's main library in Suva in early March 2016. She replaces Sharmila Pillay who left in December 2015. Jamie is based at the Reader Services section of the main library.



Jamie Bloss

New staff at PIMRIS



Sese Cokomata

Sese Cokomata or 'Se' as she is known at USP Library relocated to PIMRIS from Regional Libraries section of the Laucala main library in early February 2016. She joined the library in 1991 and was appointed

as a Library Assistant in 2002. She replaces Pushpa who has been transferred to the Acquisitions section of the USP main library.

Viren Singh, the new PIMRIS Library Attendant has been with the USP Laucala main library since 2002. We congratulate him on the completion of the Diploma in Library & Information Studies (DLIS) in 2015 from USP.



Viren Singh



Ledua
Tamanitoakula

Ledua Tamanitoakula, our new Part-time Junior Library Assistant (PTJLA) spent her first year at the Laucala main library in 2015. She is currently studying part-time, to complete her DLIS at USP.

PIMRIS welcomes its new staff & wishes them the best at their new location.

World Oceans Day 2016 celebrated in the Islands



Pacific Ocean Commissioner and Secretary-General of the Pacific Islands Forum Secretariat, Dame Meg Taylor. (Photo: Pacific Islands Forum Secretariat)

Pacific Islands culturally, economically, socially and environmentally in her World Oceans Day message. Dame Meg Taylor stated, 'Our ocean covers a third of the globe – we must celebrate it and protect it. Our voice must be heard, our leadership matters.'

'In the Pacific, the ocean is everybody's business. It is time to take a deeper look at the oceans – we need to change the way we think about the ocean. Solutions require innovative and creative partnerships. The ocean climate and weather are linked and the impacts of climate change on our ocean are already being felt by many of us. But we are strong and we will not give up our ocean, our homes and our future. We ask the same of you.'

Dame Meg's role as Pacific Ocean Commissioner involves advocating for improved cooperation, coordination and collaboration in the region, for sustainable use, management and governance of the Pacific ocean and its resources.

In Samoa, the Secretariat of the Pacific Regional Environment Programme (SPREP) also celebrated this day with a challenge for everybody to 'Be a wave for change on this World Oceans Day'.

SPREP's call highlights the need to protect the oceans and for all to commit to activities towards ocean conservation.

"The ocean requires global governance and understanding to ensure its long-term health and wellbeing and prosperity for all." (Dame Meg Taylor, Secretary General of the Pacific Islands Forum Secretariat)

World Oceans Day 2016 was celebrated around the world and in our Pacific Islands region on June 8, the day officially recognized since 2008 by the United Nations.

This year's theme was 'Healthy oceans, healthy planet', with special effort focusing on stopping plastic pollution.

As the Pacific Ocean Commissioner, Dame Meg Taylor who is also the current Secretary-General of the Pacific Islands Forum Secretariat (PIFS), highlighted the importance of the ocean and how it links all



The Cook Islands. (Photo: saatchigallery.com)



Source: Pacific Islands Forum Secretariat (PIFS).

In Fiji, a cleanup of the Suva foreshore was carried out by community members and business groups including the office of the Pacific Ocean Commissioner and Pacific Ocean Alliance partners based at the Pacific Islands Forum Secretariat.

Similar coastal cleanups were also carried out in Samoa and Marshall Islands to commemorate this year's World Oceans Day and its significance.

World Oceans Day according to the United Nations is celebrated to remind everyone of the major role the oceans have in everyday life, inform the public of the impact of human actions on the oceans, develop worldwide movement of citizens for the ocean and to mobilize and unite the world's population on a project for the sustainable management of the world's oceans amongst many other reasons.

The oceans cover about two-thirds of the surface of the earth and are the very foundation of life. They generate most of the oxygen we breathe, absorb a large share of carbon dioxide emissions, provide food and nutrients, regulate climate, and are important economically for countries that rely on tourism, fishing and other marine resources for income, and serve as a backbone of international trade.

Sources: www.un.org, www.forumsec.org, fijitimes.com



42nd IAMSLIC Annual Conference
16-20 October 2016, Mérida, Mexico

‘Traditional Knowledge and Modern Information Practice’

The planning committee of the 42nd Annual Conference of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC) invites you to join us in Mérida, Mexico, 16-20 October 2016.

The conference will be hosted by [Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional Unidad Mérida](#) (CINVESTAV).

The conference will be held in conjunction with the Latin American Regional Group Meeting.

More Information: <http://www.iamslc.org/conf2016/>

Korea strengthens ocean science collaboration with Pacific region

Pacific Island countries and territories stand to benefit from the sharing of cutting edge marine scientific and technical knowledge between the Republic of Korea Institute of Ocean Science and Technology (KIOST) and the Pacific Community (SPC).

The President of KIOST, Dr Gi-Hoon Hong, and the Pacific Community Director-General, Dr Colin Tukuitonga, have today signed a memorandum of understanding in Noumea, New Caledonia.



Pacific Community Director General, Dr Colin Tukuitonga with the President of KIOST, Dr Gi-Hoon Hong. *(Photo: Pacific Community)*

“SPC welcomes this agreement to promote collaboration with Korea’s main ocean science research institute to support sustainable Pacific development through

Science and technical innovation,” Dr Tukuitonga said.

“SPC and other scientific organisations are learning more all the time about marine environments, but there’s still much to be discovered, particularly in the Pacific Islands region which spans the world’s largest ocean,” he said.

Under the agreement, KIOST and SPC will cooperate to create, share and apply ocean science, for example through technical meetings, joint lectures, exchange initiatives for experts or students, and by sharing samples or instrumentation.

KIOST undertakes a range of research, including many areas of geoscience, bioscience, physics, environmental research and hazard assessment, and has run a shore laboratory in Chuuk State, Federated States of Micronesia, for several years.

“It’s only natural for our two organisations to form a sisterhood and join forces to solve common challenges by applying the latest science,” Dr Gi-Hoon Hong said.

“We have some exciting projects coming up which we believe can contribute to strengthening science in the Pacific, including the expanded use of our world-first Geostationary Ocean Colour Imaging Satellite, which will cover the entire Pacific as of 2019. Also our new 100-metre research vessel, R/V ISABU, will be conducting expeditions to the Pacific islands region, and as it can accommodate 32 scientific staff, this is one practical example of where we can involve scientists from SPC,” he said.

The four-member KIOST delegation visiting New Caledonia also included the Senior Director of their Marine Environmental Analyses-Remediation Division, Dr Chang Soo Chung; the Leader of their Strategy Development Section, Dr Youn-Ho Lee; and Ungyul Yi from their Strategy Development Section.

More from: [Pacific Community](#)

USP and US Embassy host 2016 Fishackathon Event

The United States Embassy in partnership with the University of the South Pacific (USP) hosted the 2016 Fishackathon Event which took place during the Earth Day weekend, from 22 to 24 April 2016.

Fishackathon is a public-private partnership that aims to capitalise on the expansion of mobile phone and internet use across the developing world to address sustainable fishery challenges.

The Fishackathon event, which is an initiative launched at the first “Our Ocean” conference in 2014, called on coders and science enthusiasts from around the world to come together to create new applications and tools for use on mobile phones and other devices, which can help fishers work smarter and more safely in sustainable fishing.

This year marked the third annual event and was, for the first time, hosted in Suva.

Speaking at the opening of the 2016 Fishackathon event at USP’s Japan-Pacific ICT Multipurpose theatre, United States Ambassador, Her Excellency Judith Cefkin said that the event is a partnership to source new problems to enduring challenges from overfishing, to illegal fishing practices.

This, she stated, is being done by harnessing the power of technology and applying it to create platforms and applications around such issues.

“This is an issue of great importance for the United States and, in fact, all of us, because we share the oceans and rely on their resources,” she told the participants of the 2016 Fishackathon Event. “Many of you will likely feel the impact of the problems, such as overfishing, ocean acidification and sea level rise.

It is important that we involve and utilise the thinking and skills of new audiences to provide innovative solutions to these problems,” H.E Cefkin added.

The pilot Fishackathon was held in five cities around the United States in 2014. This year, the event has expanded to 42 cities on six continents, as well as a virtual hackathon.



United States Ambassador H.E. Judith Cefkin delivers her address during the 2016 Fishackathon Event. (Photo: USP).

“We hope to see many of your solutions turn from an idea into an actual tool that fishers, governments and scientists can use on the ground to make a difference for our ocean,” she told the participants. H.E. Cefkin thanked USP for hosting the event and providing major sponsorship through its Book centre for local prizes.

USP Vice-Chancellor and President, Professor Rajesh Chandra, said that the public-private partnership that the Fishackathon Event is focused on is a very important theme in the University’s development in the Pacific.

According to Professor Chandra, this event and competition aims at centralising on the expansion of mobile telephony and internet used across the world to address sustainable fisheries challenges.

More from: [USP News](#)

Parties to the Nauru Agreement (PNA) members agree to maintain tuna management system

Fisheries officials from the Parties of the Nauru Agreement (PNA) have agreed to recommend to their fisheries ministers that the PNA's Vessel Day Scheme (VDS) be maintained, during their annual meeting in Kiribati in early April 2016.

The Western and Central Pacific fishery bloc decided to maintain the tuna industry management system that has raked in increased revenue by over 500 per cent in the past six years.

This follows the annual meeting's review of an independent study of the PNA's VDS that manages the multi-tuna fishery by controlling fishing effort.



A commercial fishing haul in Kiribati. (Photo: AusAID).

According to the review by Toroa Strategy Limited of New Zealand, 'The VDS is a fully functioning fisheries management regime without peer for its class of fishery...There is no clear benefit from changing the VDS from a Day scheme to a catch scheme now or in the near future....There is no evidence that, for practical purposes, the present sustainability performance of the VDS is inferior to the quota management system given the nature and current state of the tuna fishery.'

The review also revealed that the current total catch level in PNA waters is sustainable and the management system in place 'provides a simple and robust compliance framework for the fleet' and therefore, the purse seine VDS is a very successful fisheries management regime by any real world standard.

The PNA Chief Executive, Dr Transform Aqorau also highlighted that none of the PNA members is asking to change the VDS, but only those from outside of PNA.

He stressed that given the very high value of the system with earnings of around US \$450 million annually, he sees no reason for replacing it with something they do not know.

The VDS according to the PNA website, 'is an integrated management system that is tied to a fisheries information management system that provides detailed catch data from both vessels and independent fisheries observers on board purse seine vessels.'

PNA controls waters where fifty percent of the global supply of skipjack tuna is caught. Its members are: Papua New Guinea, Solomon Islands, Tuvalu, Kiribati, Marshall Islands, Nauru, Federated States of Micronesia and Palau.

Sources: www.fis.com, www.pnatuna.com

New interim treaty for US purse seiners to fish in the Pacific

A new interim treaty and agreement that allows the United States purse seiners to fish in the the Exclusive Economic Zones (EEZ) of island countries was reached in March 2016.

All U.S. flagged purse seiners' halted fishing after the Pacific Islands Forum Fisheries Agency (FFA) stopped issuing licenses from 1st January this year until the fleet makes its first US \$17 million payment.

The US pulled out of the 30 year US-Pacific Islands fisheries treaty in January with a request for fewer fishing days and a reduction to the current payment of US \$89 million.

According to media reports (radio NZ international, pnatuna.com), the new 2016 agreement is to enable US vessels to purchase treaty licenses from the Fisheries Forum Agency for the remainder of 2016 until a new treaty is finalised for 2017 and into the future, later this year.

The FFA said that the Pacific has offered the US a revised package with fewer fishing days, reducing the required payment commitment to US \$66 million.

It also stated that the Pacific countries can now sell unused fishing days to other fishing fleets including domestic fishing operators although the rates of financial return may not be as high as the rate agreed under the US interim agreement as the fishing year is already underway.

James Movick, the Director General of FFA said it has taken a lot of effort and compromise for seventeen (17) Pacific governments to come together and agree to accept the new US concept. He was satisfied not only of the outcome of latest negotiations, but more on the Pacific Islands' sense of commitment to maintain a strong regional position.

The American Tunaboat Association is also pleased with recent turn of events and has confirmed that more than 30 US flagged purse seiners issued with licenses to fish in waters of 17 Pacific Island countries under the new interim treaty. The ATA's Executive Director also



said that they are looking forward to participating in negotiations this year to re-structure the treaty, so that it can continue to be viable after 2016 and into the future.

The Pacific Islands Forum Fisheries Agency administers the Tuna Treaty for the 17 Pacific Island countries while ATA represents the US purse seiner fleet in the treaty negotiations.

Left: An American purse seiner off-loading tuna in Port Majuro. (Photo: RNZI Giff Johnson)

Sources: RNZI, PNATuna, FFA

News from around the Region

Fiji's new multi-species hatchery in Ra



Fiji Prime Minister (top left) at the opening of the new hatchery. (Photo: Fiji Government)

In early February this year, the Fiji Prime Minister opened the new administration office for the Ministry of Fisheries' multi-species hatchery in Togovere, Ra, a project in which the government has invested over FJD 1.6 million (USD 742,000).

The Caboni Yaqara multi-species hatchery is expected to supply fish farms and generate income for many around the country.

It will also help with the conservation of natural resources in Fiji and contribute to food security and economic growth in Fiji.

At the opening of the new facility, the Prime Minister of Fiji, Voreqe Bainimarama during his speech stated, 'The Caboni Yaqara multi-species hatchery will provide tilapia fry for fish farms and young prawn and fish species to reseed the overfished reefs. This means we can increase our food supply while sustaining the marine species we depend on. Our environment will benefit, our coastal fishing communities will benefit, and all the people of Fiji will benefit.'

The Prime Minister also stressed that fishing is neither just an industry in Fiji, nor just a way of providing food, but part of Fijian culture and what makes its people, Fijian.

An additional FJD 7000,000 has been granted to the Fisheries Department for the construction of the staff quarters, a three-phase power-supply that would provide electricity for the entire hatchery and a borehole to supply water.

The Fisheries Department has also been working with the Department of Women of the Ministry of Women, Children & Poverty Alleviation, to establish marine projects or fish farms as a form of employment and source of income, empowering women to develop local communities and to help strengthen the economy.

The Permanent Secretary for Fisheries and Forests, Samuela Lagataki assured the public that the department is ready to supply nearby villagers if the need arose as they are currently producing around 120,000 to 130,000 although the target is to produce 500,000 fry per year.

According to the Prime Minister, aquaculture can be a blessing for the future of Fiji and that the research, education and training conducted at the new facility will help the government and the people of Fiji, conserve the country's natural beauty and richness of its marine ecosystem, improve food security and possibly export more.

Sources: Fiji Times online, fis.com

Solomon Islands Fisheries staff benefit from leadership and management training

More than twenty Ministry of Fisheries and Marine Resources staff recently attended a Leadership and Management training workshop organised by the Institute of Public Administration and Management (IPAM) at their headquarters in Honiara.

The workshop basically taught them methods they would use when they assess their junior staff members.

IPAM's Chief Leadership and Management Development Officer Mr. Steven Amasia said the programme is designed to give office managers and supervisors' tips on



Staff of Solomon Islands MFMR at the IPAM training in April 2016. (Photo: MFMR)

how to assess performance of staff members. He stressed that it is an important process in any government ministry to be able to reward staff according to their performance.

Appraisals are common across the entire public service and the course has given senior management staff insight into how they would go about awarding increment to staff based on their work performance.

Mr Amasia was impressed with the turnout saying the Ministry of Fisheries staff have demonstrated mature attitude towards the training and he wants other ministries that have yet to receive the similar training to do likewise.

The programme was rolled out in January and about 80% of the ministries have already received it. Mr. Amasia said he would visit the provinces once he completes the remaining ministries.

A similar programme was also organised for government agencies including the National Parliament, Office of the Attorney General and others.

The next step is monitoring and evaluating which staff of the IPAM will carry-out after they completed Honiara and the provinces.

One of those who attended the programme was the Human Resources Manager of the Ministry of Fisheries who believes his staff had learnt a lot from the resources person(s). Mr. Tom Rarakani spoke highly of this initiative describing it as an important government policy. He said his officers have learnt a lot from the sessions and he personally believes that they would be able to assess their staff and give them recognition where it is due.

Previous assessments of staff were done by immediate supervisors of the employee but now that can be done by the supervisor and staff.

"I can assure you that following this training, most of the supervisors can confidently do what they are supposed to do," Mr. Rarakani added.

Francis Pituvaka
Solomon Islands MFMR – Communication Officer

Cook Islands drafts standard operating procedures to strengthen fisheries surveillance

In early April 2016, the Ministry of Marine Resources was assisted by a delegation from the Forum Fisheries Agency (FFA) and the Australian Fisheries Management Authority (AFMA) with drafting its Standard Operating Procedures (SOPs) for the Niue Treaty Information System (NTIS) that is managed by the FFA. This latest development by the ministry is part of its efforts in strengthening its commitment to the Niue Treaty Subsidiary Agreement (NTSA).

The Cook Islands is one of seven FFA member countries to ratify the NTSA which came into effect in 2014. The NTSA is a legal framework for sharing resources and exchanging information which includes fisheries data. It is aimed at strengthening fisheries surveillance and law enforcement efforts in the region.

As the third Pacific Island country to develop Standard Operating Procedures or SOPs after Samoa and Tuvalu, the Cook Islands Ministry of Marine Resources are aware of the importance and benefits of the latest development and the Niue Treaty overall.

According to the Secretary of MMR, Mr Ponia, the Niue Treaty will allow Cook Islands cross-vest powers which for example, enable a Samoan patrol boat come into Cook Islands waters and a Cook Islands patrol boat in Samoan waters during joint operations.

“What we are trying to do in the Operational phase is to make sure that the right kind of information is shared and right kind of powers are being authorised for use”, Mr Ponia says.

“Of course every arrangement needs more modification and more adaptation and we are in the early phases of rolling out the treaty.”

The MMR Secretary further stated, “the NTSA is a very important monitoring, control and surveillance (MCS) tool especially for the Cook Islands because we have a huge exclusive economic zone (EEZ) and very little of our own resources to monitor it. The treaty umbrella allows us and other parties to draw on the resources of our neighbours.”

The NTSA according to Senior Fisheries Officer, Andrew Jones, has helped simplify arrangements between countries for joint maritime surveillance.

AFMA senior fisheries officer Andrew Browne says the Australian Department of Foreign Affairs and Trade has funded their work on the NTSA under the Government Partnerships for Development Project ‘Economic development and food security through increased capacity to address illegal fishing in the Pacific’. “The operating procedures that we develop will assist officers with the practical work for the planning and carrying out of cooperative surveillance and enforcement activity under the NTSA,” says Browne.



MMR staff with FFA & AFMA officials during the workshop. (Photo: Cook Islands News)

Source: [Pacific Islands Report](#)

Concerns for Fiji's fish stocks after Tropical Cyclone Winston



Damage to coral in Fiji after Tropical Cyclone Winston. (Photo: Sangeeta Mangubhai)

When Tropical Cyclone Winston devastated the northern part of Fiji's main island, Viti Levu, the destruction wasn't confined to the land, the ocean also took a hammering with patches of the country's coral reefs torn up.

A report on the damage prepared by the Wildlife Conservation Society Fiji has found that at TC Winston's height, there was substantial breakage and dislodgement, destroying important habitats for marine life.

The society's director, Dr Sangeeta Mangubhai, said the damage was patchy and varied.

"When the cyclone came through, most of the damage had really been confined to the main pathway, so we were seeing when we were out there doing surveys the damage was down to 20 to 30 metres," she said. "Some reefs that you'd go to, you'd dive and see around 20 per cent damage, and others you're getting up to about 80 per cent damage of the corals.

There is growing concern about the potential impact on fish stocks, which local communities rely on for food and money.

"There are some fish that can move... to reefs that have sort of survived better in the cyclone, whereas others which don't move as much distances are going to be a lot more vulnerable," Dr Mangubhai said.

"The problem is a lot of the coral habitat has been damaged, and that means that the fish that need it for habitat, to hide from predators, a lot of that has been damaged or a lot of it has been destroyed as well, so a lot of fish are going to be vulnerable. We sort of expect that this is going to actually cause a bit of a decline in the fish stocks for probably the next couple of years until there's a chance for the corals to come back and then the fish life with it," she said.

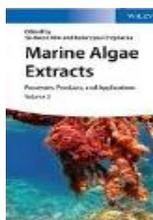
Dr Mangubhai's team is currently conducting surveys around affected villages on the impacts of TC Winston on fisheries, while a further survey in May will look at the impacts on fish in depth.

"There isn't a lot of fishing that is going on in a lot of these heavily impacted areas, because a lot of communities have had their homes and lives really just destroyed by this cyclone, so they're focusing right now on just rebuilding their homes, and getting their kids back to school," she said.

"So right now there's probably less pressure on those reefs, because people have also lost a lot of boats and fishing gear, but as people's lives start building up again, there's going to be a greater pressure on those reefs not only for food security, which is very important, but also for livelihoods.

More on: [ABC News](#)

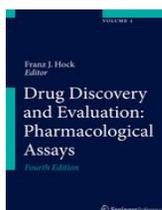
New additions to PIMRIS Library



Marine algae extracts: processes, products and applications / edited by Se-Kwon Kim & K. Chojnacka. Weinheim, Germany: Wiley-VCH, c2015. ISBN: 9783527337088.

This comprehensive handbook covers the entire value chain from the cultivation of algal biomass to harvesting and processing it, to product extraction and formulation.

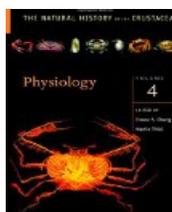
<http://au.wiley.com/WileyCDA/WileyTitle/productCd-3527337083.html>



Drug discovery and evaluation: pharmacological assays / edited by F. J. Hock. 4th edition. New York: Springer Verlag, c2016. ISBN: 9783319053912.

This edition of this reference book contains a selection of the most frequently used assays for reliably detecting the pharmacological effects of potential drugs.

<http://www.springer.com/kr/book/9783319053912>



The natural history of the Crustacea. Volume 4, Physiology / edited by E. Chang & M. Thiel. New York: Oxford Uni. Press, c2015. ISBN: 9780199832415.

The first extensive overview of crustacean physiology in two decades and written by internationally recognized experts studying a wide range of crustacean taxa...

<https://global.oup.com/academic/product/physiological-regulation-9780199832415?lang=en&cc=fj#>



Routledge handbook of ocean resources and management / edited by H.D. Smith & J.S. de Vivero et al. London, UK: Routledge, c2015. ISBN: 9780415531757.

This comprehensive handbook provides a global overview of ocean resources and management by focusing on critical issues relating to human development and the marine environment...

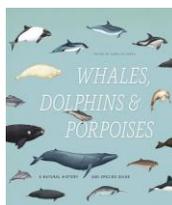
<https://www.routledge.com/products/9780415531757>



Biology and ecology of Bluefin tuna / edited by T. Kitagawa & S. Kimura. Boca Raton: CRC, c2016. ISBN: 9781498724876.

This book focuses on latest information on the biology and ecology of the three bluefin tuna species: the Pacific (*Thunnus orientalis*), Atlantic (*T. thynnus*), and southern bluefin tuna (*T. maccoyii*).

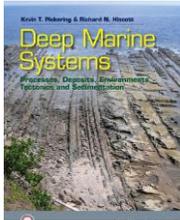
<https://www.crcpress.com/Biology-and-Ecology-of-Bluefin-Tuna/Kitagawa-Kimura/9781498724876>



Whales, dolphins, and porpoises: a natural history and species guide / by Berta, A. Chicago: Uni. of Chicago Press, c2015. ISBN: 9780226183190.

Whales, Dolphins, and Porpoises presents species-specific natural history on a range of topics, from anatomy and diet to distribution and conservation status...

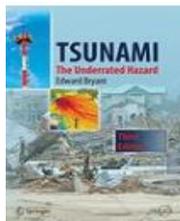
<http://press.uchicago.edu/ucp/books/book/chicago/W/bo22211175.html>



Deep-marine systems: processes, deposits, environments, tectonics and sedimentation / K. Pickering & R. Hiscott. Hoboken, NJ: John Wiley & Sons, c2016. ISBN: 9781118865491.

This book highlights many important physical aspects of deep-water systems including modern and ancient deep-water sedimentary environments and tectonic settings.

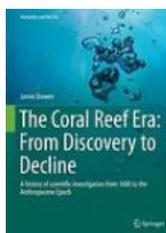
<http://au.wiley.com/WileyCDA/WileyTitle/productCd-0730319547.html>



Tsunami : the underated hazard / Bryant, E. Cham, Switzerland: Springer, c2014. ISBN: 9783319061320.

This book describes the nature and process of tsunami formation, outlines field evidence for detecting the presence of past events, and describes notable events linked to earthquakes, volcanoes, submarine landslides, and comet impacts.

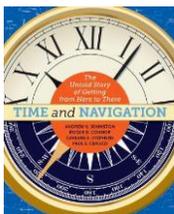
<http://www.springer.com/gp/book/9783319061320>



The coral reef era : from discovery to decline : a history of scientific investigation from 1600 to the Anthropocene Epoch / Bowen, J. Dordrecht: Springer, c2015. ISBN: 9783319074788.

Links the struggle to understand the nature of corals to the development of scientific understanding and emergence of the “new sciences” from 1600 to the 20th century.

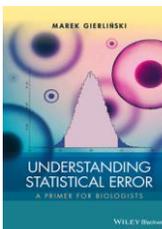
<http://www.springer.com/us/book/9783319074788#>



Time and navigation : the untold story of getting from here to there / Johnston, A. K. et al. Washington, D.C.: Smithsonian Books, c2015. ISBN: 9781588344915.

This book tells the story of navigation to help us understand where we have been and how we got there so that we can understand where we are going.

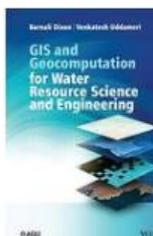
<http://www.amazon.com/Time-Navigation-Untold-Story-Getting/dp/1588344916>



Understanding statistical error : a primer for biologists / Gierlinski, M. Hoboken, NJ: Wiley Blackwell, c2016. ISBN: 9781119106913.

This useful guide introduces the essential topic of error analysis to biologists and explains how to evaluate uncertainties of key parameters, such as the mean, median, proportion and correlation coefficient.

<http://au.wiley.com/WileyCDA/WileyTitle/productCd-1119106915.subjectCd-LS00.html>



GIS and geocomputation for water resource science and engineering / Dixon, B. & Uddameri, V. West Sussex, UK: John Wiley & Sons Ltd., c2016. ISBN: 9781118354131.

This book not only provides a comprehensive introduction to the fundamentals of geographic information systems but also demonstrates how GIS and mathematical models can be integrated to develop spatial decision support systems to support water resources planning, management and engineering.

<http://au.wiley.com/WileyCDA/WileyTitle/productCd-1118354133.html>

Conferences, Workshops & Events

- 7 – 8 Jul Forum Fisheries Agency (FFA) – **13th FFC Ministerial Meeting (FFCMIN13)**, Port Vila, Vanuatu.
- 9 -15 Jul **Sixth Meeting of Regional Fishery Body Secretariats Network (RSN-6)**, Rome, Italy. More info.: <http://www.fao.org/fishery/rsn/en>
- 11 – 13 Jul **2nd Global Summit on Aquaculture & Fisheries**, Kuala Lumpur, Malaysia. Aquaculture Summit 2016 is comprised of 14 tracks and 122 sessions designed to offer comprehensive sessions that address current issues in Aquaculture Summit 2016. More info.: <http://aquaculture.global-summit.com/call-for-abstracts.php>
- 11 – 22 Jul **Forum Fisheries Agency (FFA) – Fisheries Trade Policy Training**, FFA Conference Centre, Honiara, Solomon Islands.
- 17 – 19 Aug **The 18th Japan International Seafood and Technology Expo.**, Tokyo, Japan. The upcoming 18th Japan International Seafood Show will be in Tokyo, bringing together about 800 seafood and fisheries related companies from all over the world. At the same time, we will also be holding the World Aquaculture Expo 2016, sushi Expo 2016 etc. More info.: <http://www.exhibitiontech.com/seafood/>
- 1 – 10 Sept **'Planet at the Crossroads'**, IUCN World Conservation Congress, Hawaii, USA. More Info.: <http://www.iucnworldconservationcongress.org/>
- 7 - 11 Sept **47th Pacific Islands Forum Leaders' Meeting**, Pohnpei, Federated States of Micronesia.

Remembering Akosita

Mrs Akosita Seru, who is the longest serving PIMRIS member and contact from the Fiji Ministry of Fisheries, passed away on 22 April 2016. She will be remembered for her valuable contributions, dedication and

candid views during PIMRIS Steering Committee meetings and workshops. Although hindered by administrative and internal factors, 'Ako' as she was known did her best to juggle her weekly roles between the fisheries library in Lami and the Planning Division at the headquarters in Toorak, Suva. She will be missed!

