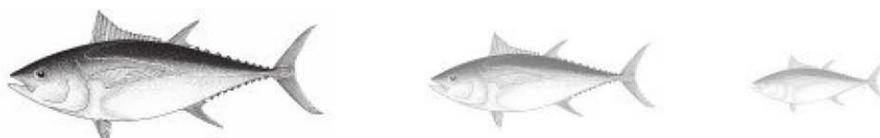


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Editorial



Season's Greetings to you all! Bula from Suva.

It is the end of another eventful and successful year and we believe everyone deserves a good break. The last six months surely, has been very busy.

This is our final issue for 2014 and the first since the PIMRIS Steering Committee Meeting in July agreed to reduce issues of the newsletter from four to two annually. During the same meeting, the PIMRIS Steering Committee also assessed activities of the past two years and planned priorities for the next two (p.9).

In early September, the PIMRIS Coordinator and some colleagues from around the region attended the ASFA training and IAMSLIC 40th Conference at the Secretariat of the Pacific Community (SPC) Headquarters in Noumea, New Caledonia (pp. 4-5). It was a wonderful and great learning experience. Many other library related events also took place including the USP Library's staff retreat at the Shangri-La's Fijian Resort in late November (pp.7-8).

Perhaps the event of great interest this year was the Western & Central Pacific Fisheries Commission (WCPFC) 11th Regular Session in Samoa in early December, where issues relating to the future of Tuna Fisheries were discussed. Not everyone who attended was satisfied in the end, but at least the bluefin tuna agreement was signed (p.3). We hope further negotiations on Pacific tuna will consider the sustainability of the fishery and future of Pacific Island people.

Fa'afetai tele lava to all who supported PIMRIS this year. We look forward to working with you again in 2015.

Susana Macanawai, *PIMRIS Coordinator*

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Directory

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New Faces, New Places

Moce & Vinaka Sabi!

Sabita Gandhi or Sabi as she is known was farewelled during the USP library staff retreat at the Shangri-La's Fijian Resort in late November. Sabi has retired after more than 30 years at USP, mostly as Secretary to the University Librarian.



Sabita Gandhi

We wish her well in her retirement.



Halcyon Wiltshire

Halcyon Wiltshire from University of the West Indies (UWI) was at USP from early November on a one month work attachment at the main library's Pacific Collection and USP Records and Archives Office via the CARPIMS.

During her time at USP library, she presented to library senior staff on her experience and concerns relating to preservation of materials in Pacific collection. She departed after attending the USP library's staff retreat at the Shangri-La Fijian Resort in late November.



Amalaini Naivaluvou

Amalaini Naivaluvou, the PIMRIS part-time Junior Library Assistant (PTJLA) has just completed a year's stint at lower campus library (USP library annual rotation programme) and will resume work at the main library next year. We wish her the best in 2015!

Roshini Sharma joined USP library after twelve years with the Fiji National University Library in Ba, as a Library Assistant. Roshini holds a Diploma in Library and Information Studies (DLIS) from USP. She is currently based at the Laucala main library's Reader Services section.



Roshini Sharma

Western and Central Pacific Fisheries Commission meeting addresses bluefin tuna protection

Representatives of the countries fishing for tuna in the central and western Pacific Ocean reached an agreement on new measures for the conservation of Pacific bluefin tuna, a commercially-valuable species that has dropped to critically low levels.



Bluefin tuna. (Photo credit: <http://www.worldwildlife.org>)

The consensus was reached by the members, cooperating non-members and participating territories attending the Eleventh Regular Session of the Western and Central Pacific

Fisheries Commission (WCPFC11) and associated workshops. The international meeting is being hosted by the Government of Samoa from the 1-5 of December in Apia, Samoa.

According to scientists advising the Commission, Pacific bluefin tuna numbers are down to just 4 per cent of their original levels.

For his part, Alfred Cook, the Worldwide Fund for Nature's Western and Central Pacific Tuna Programme Manager, considers that only a tiny breeding stock now approaching the end of its lifecycle is holding that population together.

The measures approved in the meeting being developed in Apia set that bluefin tuna captures are to be reduced to 50 per cent of the 2002-2004 average catch level.

On the other hand, the Director of the Marshall Islands Marine Resources Authority, Glenn Joseph, has questioned the effectiveness of the Tuna Commission and the adopted conservation and management measures. In this regard, he said that only the island nations have set capture limits and respect them, whereas distant countries operating in the area have not met their obligations to submit data on their captures.

Besides, Papua New Guinea's National Fisheries Authority Managing Director John Kasu told delegates of the Commission meeting in Samoa, management of the high seas needs more work, *Radio New Zealand* informed. The call comes as Pacific nations accuse distant water nations South Korea, China, Japan and Taiwan of not observing catch limits and in some instances, offloading catches on the high seas and giving false reports on catches.

Meanwhile, the Parties to the Nauru Agreement are applauding the election of a Tuvaluan as the new Executive Director of the Western and Central Pacific Fishing Commission. Dr Feleti Teo, a former Director General of the Forum Fisheries Agency and current Interim Director of the Pacific Islands Development Forum has been appointed.

The PNA Chief Executive, Dr Transform Aqorau says the appointment is an important one for Pacific Island countries as they continue to negotiate with powerful distant water fishing countries for better management of Tuna stocks in the region.

(Reprinted from: <http://www.fis.com>)

USP's Institute of Applied Sciences (IAS) welcomes new Deputy Director

The University of the South Pacific's (USP) Institute of Applied Sciences (IAS) recently announced the appointment of Dr Johann Poinapen to the position of Deputy Director at the Institute.

A former Principal/Lead Water Process Engineer at the Association of Mining & Exploration Companies (AMEC) Australia and a former Water Leader and Engineering Group Manager with MWH Global, Dr Poinapen is a registered and chartered professional engineer with over 15 years' experience in the water industry.



Dr Poinapen.
(Photo credit: USP News)

Dr Poinapen hails from Mauritius in South Africa and he obtained his PhD from the University of Cape Town, in water

process engineering for the co-treatment of sewage sludge and acid mine drainage. As Deputy Director, Dr Poinapen will assist the Director in providing strategic direction, guidance, leadership and ensure there is adequate funding to carry out IAS' strategic plan initiatives.

IAS Director Professor Bill Aalbersberg in welcoming Dr Poinapen, said IAS will benefit greatly from the wealth of experience in water process engineering, project development and management experience that Dr Poinapen has to fulfill the core objectives of the Institute.

Dr Poinapen has already contacted local resorts to see how he can assist in water and sewage management and also regionally in the mining industry.

He is joined in Fiji by his wife Natacha, a PhD microbiologist and son Nigel.

Dr Poinapen's interests outside work include engaging in community building activities, such as initiating service projects, promoting children and youth empowerment programmes aimed at building the capacity of young people to serve their communities.

IAS is a self-funded consultancy, training and research arm of the University and is located within the Faculty of Science, Technology & Environment (FSTE). Its main areas of activity are analytical services, quality management and natural resource management. It also houses the Centre for Drug Discovery and Conservation and the South Pacific Regional Herbarium.

(Reprinted from: <http://www.usp.ac.fj/news/story.php?id=1711>)

The Institute of Applied Sciences (IAS) was established in 1977 (under the name of Institute of Natural Resources) at the Suva campus of the University of the South Pacific with a full time staff of one using the facilities and space provided by the science teaching departments at the University.

IAS has now grown to have 18 full time staff and its own laboratories and scientific equipment located in the Marine Science Building at the "lower" Laucala Bay Campus by the sea. The various units at IAS are the Analytical Unit, Environment Unit, Food Unit, Centre of Drug Discovery and Conservation Unit and the South Pacific Herbarium.

More details: <http://ias.fste.usp.ac.fj/>

IAMSLIC 40th Conference, 2nd PIRG Meeting & ASFA Training SPC Headquarters, Noumea, New Caledonia 9-18 September 2014



The IAMSLIC 40th Conference Group Photo at the SPC Headquarters, Noumea. (Photo credit: IAMSLIC)



Mary-Clare Ame, Helen Wibley & Susana Macanawai during ASFA Training at the SPC Library. (Photo credit: Guillermina Consullich)



During a session of the IAMSLIC Conference. (Photo credit: Steve Watkins)

The 40th International Association of Aquatic and Marine Science Libraries and Information Centres (IAMSLIC) Conference and 2nd Meeting of the Pacific Islands Regional Group (PIRG) held in Noumea, New Caledonia in September, successfully ended with plans to strengthen and move IAMSLIC and PIRG forward.

Hosted by the SPC Library, this conference was attended by a few members of the PIRG, including the PIMRIS Coordinator and the SPREP librarian, who attended for the first time. A few members of the group also presented papers and moderated a session during the week.

Prior to the conference on Sunday 14 September, the PIMRIS Coordinator (Susana Macanawai) and the SPC Librarian (Mary-Clare Ame) were trained for four days by the ASFA Editor-in-Chief, Ms Helen Wibley on ASFA data inputting process and on the use of relevant guides.

This training was held at the SPC library in Noumea and the PIMRIS Coordinator's participation was funded by the ASFA Trust Fund and FAO.

The first day of the IAMSLIC Conference programme started with participant registration at the SPC's Jacques Iekawe Hall followed by a guided tour of the Jean Marie Tijabou Cultural Centre and a welcome reception in the evening at the Chateau Royal.

The official conference programme started the next day with Session 1, themed 'Challenges: Pacific Library Cases' which was moderated by Verenaisi Bavadra. This session included presentations by the SPC Library & FAME Digital Library, Solomon Islands Ministry of Fisheries and Marine Resources' Library, and the New Zealand National Institute of Water & Atmospheric Research (NIWA) Wellington library.



Susana, Linda, Daryl, Vere and Miraneta during the tour of Noumea. (Photo credit: Miraneta Hazelman)

All presentations during this session provided valuable overviews about each library and collection, challenges and solutions.

Session 2 was on 'Pacific Networks: Collaboration' and included IRD-Noumea's 'Towards a shared platform of scientific publications in New Caledonia: The example of 'Univers NC' an OAI-PMH compliant common archive, the PIMRIS presentation on 'The importance of library partnerships and collaboration', highlights

about the Pacific Twinning programme and 'Efforts of Aquatic and Marine Science Libraries and Information Centres in the Philippines towards promoting collaboration in the areas of networking, coordination and cooperation' by Linda Pagulayan.

While each case presented differs and had unique methods, all share the common goal of promoting information resource sharing.

The session themed, 'New Initiative and New Technologies' session was an eye-opener. Presentations by David Baca on 'Islands of words: Integrating writing centers into libraries using peer-to-peer technologies' and Steve Watkins' 'Thinking outside the box: Making digital content available where the internet is not' were very interesting and perhaps ideal initiatives for us to try out in the Pacific Islands region and at USP.

PIMRIS was later gifted with two 'Library Box' gadgets to test out in the PIMRIS region. These will be distributed and tested out in selected libraries where internet is inaccessible or not reliably available, with expert advice from Steve Watkins.

This is why library associations like IAMS LIC are important, as further highlighted by Samu (SPC) and a panel of selected IAMS LIC pioneers.

'Trends in Data and Open Access' and 'Disaster Planning & Recovery' sessions highlighted more initiatives carried out by libraries and marine research centres around the world. Experiences by libraries and research centres as presented highlighted the need to be proactive, alert, plan well and work as a team to minimize risks and costs.



Yen (Vietnam) and Frank (SPC-FAME) at the conference hall. (Photo credit: Miraneta Hazelman)



The Asia-Pacific members during 'Le Petit Train' tour of Noumea. (Photo credit: Miraneta Hazelman)

USP Library conducts workshop at the Fijian Resort

The University of the South Pacific Library staff (all Laucala staff and some from USP regional campuses) converged at the Shangri-La's Fijian Resort from 28-30 November 2014 to update their strategic plan for 2015 – 2018 and finalise sectional annual plans for 2015. This was also the chance for all library staff based at Laucala to get together and learn from the experiences of 2014 as well as attend a workshop on 'Ethics' from presenter, Mr John Pickering.



Group discussions during the 'Ethics' workshop. (Photo credit: USP Library)



Group discussions during the workshop. (Photo credit: USP Library)

The Friday workshop on 'Ethics' was an enlightening and very interesting session which helped all staff discuss case studies in groups, identify ethics issues and suggest possible solutions. Discussions helped staff re-examine values and goals personally and professionally in relation to the USP library's overall mission, which is to advance the university mission by providing equitable regional access to excellent library and information services, resources and facilities to students, faculty and the wider Pacific Community to enable them to become lifelong learners.

During discussions, staff were also reminded about Gandhi's famous quote: 'Your beliefs become your thoughts. Your thoughts become your words. Your words become your actions. Your actions become your habit. Your habit becomes your values. Your values become your destiny.'

The first day ended with dinner and 'staff talent night' during which a variety of items by groups were performed to shouts, cheers and the local 'fakawela' (Fijian way of appreciation during performance).



During the 'Ethics' workshop conducted by Mr John Pickering. (Photo credit: USP Library)



Group photo on the first day at the Fijian Resort's Ratu Makutu Conference Room. (Photo credit: USP Library)

The second day of the retreat was allocated for the Library Strategic Plan (2015-2018) improvements and changes to the prepared draft and sectional annual plans for 2015.

Staff were allocated to seven different groups based on the library's strategic areas of 'Customer and Information Services, Information Resources, ICT and Equitable Access, Physical and Work Environment, Partnerships, and Quality Assurance' to discuss and present any additional or changes based on their allocated strategic area.

The presence of the Deputy Vice Chancellor (or Vice President) Administration, Dr Grewal and his ideas and views spiced up discussions with his outside (non-library) perspective of what we library staff think and plan to do in the next few years.

The two group activities for day two provided the opportunity for all library staff to discuss and understand better the library's strategic plan areas and sectional plans for the next year.

Having a mix of all levels of staff within a group encouraged the sharing of ideas and open discussions, which would be restricted at work due to rostered duties and daily customer services. The venue and location was ideal, and the working weekend away, a magnificent experience.

An official farewell in the evening for the University Librarian's secretary, Mrs Sabita Gandhi who is retiring at the end of 2014 brought closure to the weekend's programme.



Halcyon (UWI), Joan, Lila & USP VC-Admin. (Dr Grewal) during tea break. *(Photo credit: USP Library)*



Julie Reynolds (Emalus campus) & Taufa Vakatale.(Marshall Is.) *(Photo credit: USP Library)*



Library staff after the farewell for Sabita Gandhi. *(Photo credit: USP Library)*



Judith Titoko, Susana Macanawai & Amora Tavisa *(Photo credit: USP Library)*

PIMRIS Steering Committee meets to plan activities for the next two years

The PIMRIS Steering Committee meeting and regional workshop was held on Laucala Campus, Suva, Fiji from 7-11 July 2014. The week-long programme included workshop training and refresher sessions, ranging from Greenstone software and installation to basic cataloguing. Presentations during the week also included PIMRIS' website and digital collections, SPC-FAME's digital library and the USP library's online catalogue and Inter-Library Loan (ILL) processes.

Since the last PIMRIS meeting, only active members have been contributing to most of the agreed priorities including newsletter articles and submissions for the PIMRIS Regional Repository. This year, the meeting agreed to prioritise key activities for the two years to more achievable and realistic targets to ensure sustainability and active commitment within the network. The top five goals for the next two years include the maintenance of PIMRIS online resources available via its website (eg. PIMRIS databases, portal, publications), the strengthening of its Regional Repository (Greenstone) with additional documents from partners (pdfs), the reduction of newsletter issues from four to two annually, staff training and development of the Tonga Fisheries Library e-repository, and to secure funding for the next PIMRIS SC meeting and training for 2016.

PIMRIS is grateful to the IOC/UNESCO's IODE Project Office in Oostende, Belgium for co-funding the meeting and training this year. We also acknowledge the continued support of our regional partners, SPREP Information Centre/Library, FFA Library, SPC library and SPC-FAME. Vinaka also to USP library and colleagues for their ongoing support to PIMRIS and its activities throughout 2014.



Participants of the 16th PIMRIS Steering Committee Meeting. (Photo credit: USP Library)



During the SPC-FAME session with Aymeric Desurmont. (Photo credit: USP Library)



During discussions at the USP Library Conference Room. (Photo credit: USP Library)



PIMRIS SC meeting at the USP Library Conference Room. (Photo credit: USP Library)

News from around the Region

Samoa Fisheries Division shines during annual 'Agro Show'

The Samoa Fisheries Division added colour and quality during this year's Upolu Agro Show at Sogi Park showground in early September, with interesting tilapia competitions, namely pond-raised live tilapia and tasty tilapia dishes.

Tilapia farmers had to exhibit their pond-raised fish first in tanks where they were judged for size, plumpness and attractive appearance. At the end of live fish judging, farmers can then cook a delicious dish from their Tilapia for the judges' taste buds and scores.

Dishes were judged according to taste, appearance, flavor and name by a panel of judges consisting of Tim Pickering from the Secretariat of the Pacific Community (SPC) and Joyce Ah Leong, the Assistant Chief Executive Officer (ACEO) Fisheries, as well as the Principal Quarantine Officer. Tim Pickering was quoted as finding the traditional Samoan tilapia 'oka' (raw fish in coconut cream) very interesting and a surprise due to its sweet taste and firm texture.

The tilapia competition was sponsored by the Australian ACIAR Community Aquaculture Project which is administered by the SPC and Samoa Fisheries Division.

Tilapia dishes presented during the competition ranged from traditional home cooking, to barbecues and restaurant quality recipes.

First prize for the cooking competition was awarded to the Tafaigata Penitentiary, who prepared 'Chillie and honey glazed tilapia steak with roast pumpkin on a bed of sweet potato hash browns'. Levusi Levi of Moamoa's 'Tilapia Oka' and Analisa Molio'o of Moamoa's 'Lemon grass tilapia with salad' tied for second place, and Lau Pepese of Lotofaga'a came in third with a 'Spicy Indian Tilapia Gift'.

Agriculture Shows were held separately on the two major islands, Upolu and Savaii. Both shows were officially opened by Samoa's Minister for Agriculture and Fisheries, Le Mamea Ropati. In his opening speeches in Upolu and Savaii, Le Mamea stressed the role agriculture and fisheries play as a major source of food and income to the local people.



Judges at work during the 'tilapia dish' competition.
(Photo credit: Samoa Fisheries Division)



Tuluiga Taito (Fisheries library staff) with local students during this year's show. (Photo credit: Ina)

Korean Institute of Ocean Science and Technology (KIOST) to undertake marine survey in Samoa

The Korea Institute of Ocean Science and Technology (KIOST, formerly known as KORDI) is a comprehensive independent ocean research institute partially funded by the Korean Government and through other competitive funding programmes. The KIOST established a Tropical Research Station (Korea South Pacific Ocean Research Center, KSORC) in Chuuk, Federated States of Micronesia (FSM) in 2000, and has since been undertaking various marine research projects in the tropical Pacific.

The tropical Pacific provides valuable insights not only to understand coral reef environment and its ecosystem, but also help foresee rapidly changing Korean climate and shifting ocean regime. One of the KIOST research programmes is to help better understand the coastal/shallow marine regions of the tropical Pacific Islands and appreciate their effects on shifting ecosystem of the Korean coastal waters.

On May 2014, a Memorandum of Understanding (MOU) was signed between KIOST, The Samoa Ministry of Natural Resources and Environment (MNRE) and the Samoa Ministry of Agriculture & Fisheries (MAF) to undertake a marine survey within the coastal areas of Samoa.

Three groups from KIOST have been assigned to carry out different surveys with assistance from MNRE and MAF. The first group to arrive in the country was for the baseline ecosystem assessment. Survey groups and their roles for this important research are listed below.

Baseline Ecosystem Survey

Team 1: Seawater column/ microbes community structure

- To determine ecological functional niche of major primary and secondary microbial community structures (phytoplankton) in the coastal water column
- To determine functional composition of primary and secondary microbial community
- To determine status-quo basic water column features

Team 2: Bottom net ecosystem and metabolic activity

- To understand and compare different ecosystem (coral, mangrove, sea grass ecosystems), net metabolic activity (e.g. oxygen production, respiration rate, etc.)

Team 3: Bottom habitat mapping using remote sensing data

- To map the coral reef habitat based upon high spatial resolution remote sensing



Map of Upolu Island with yellow markings indicating survey sites. (Image credit: Samoa Fisheries)

Team 4: Pollution

- To monitor various chemicals in coastal environments
- To estimate the present status of pollution of metals
- To study biogeochemical cycling of those chemicals
- To estimate the environmental safety and health of marine metal pollution

In late September 2014, the Bathymetry team kicked off their work along the northern coast of Upolu.

Bathymetry Survey

Team 5: High-resolution seafloor bathymetry and surface sediments

- To reveal the detailed seafloor topographic features and surface sediment characteristics in the coastal seas of Samoa.

One final team arriving in October is the macro-fauna team, which concentrates on investigating the marine coastal macro fauna community and the coral reef habitat characteristics and their distribution.

The map (*previous page*) demonstrates the focal sites for this coastal marine survey.

Justin Aiafi
Samoa Fisheries Division
(reprinted from Samoa Fisheries Newsletter)

Samoa Fisheries Division Library Update



Tuluiga Taito (right) and colleagues during one of their public displays. (Photo credit: Samoa Fisheries)

The Samoa Fisheries Division library participated in three major public activities in Samoa within the last six months of the year. Library staff set up Fisheries information displays and booths to promote the importance of Samoa Fisheries activities and inform the public about local fisheries and their contribution to daily life and the local economy.

During these major displays and information sessions at the University of the South Pacific's Alafua Campus Open Day, the Samoa Public Service Commission (PSC) Day and the Agriculture Show, leaflets and brochures were distributed and posters mounted.

Tuluiga Taito from the Samoa Fisheries Division Library also participated during the PIMRIS Steering Committee meeting in July 2014, where she presented a report on the activities of the Library/Information Centre.

During the PIMRIS meeting and workshop, Tuluiga also learned to install the Greenstone software for the re-development of their Greenstone e-repository in Apia and shared her experiences with other colleagues from around the region.

Part of this article was adapted from a brief Library Update summary (Samoan version) that appeared in the Samoa Fisheries Newsletter of Sept-Oct 2014.

Kiribati Fisheries Library and Information Unit takes part in national Fisheries Awareness Programme

The Kiribati Fisheries Division held an awareness programme from 29-31 October 2014, to promote fisheries activities in Kiribati and highlight the importance of sustaining marine resources for current and future generations and the local economy.

The Fisheries Library and Information Unit booth was prominently visible during the three-day event, with its colourful display of posters, leaflets, brochures and books. Library and Information Unit staff also assisted the visiting public with informative sessions and answers to queries raised.

The first day started with a march by staff of the Fisheries Division to the Bairiki Square led by the local police brass band. The Secretary for the Fisheries Division, Dr Naomi Biribo, delivered the welcome address to guests and public during the official opening.

Many other marine or fisheries-related companies and stakeholders in Kiribati also took part through allocated booths displaying their marine products and information about their services.

There were also invited speakers from selected national fisheries stakeholders like the Kiribati Fish Limited, Central Pacific Producer Limited and Eco Farm Co. Ltd, whose participation at this event made it special.

The highlight of the second day was the Oratory Competition between local primary schools, based on the theme. The winner for this category was Taken Bairiki Primary School.

The final day was similar to the day before, but the competition was between local secondary schools. The overall winner for this category was Santa Maria Secondary School.

The event was a success and the fisheries division hopes this year's displays, sessions and messages over the three days has made younger generations and local communities better informed and aware of the importance of sustaining local marine resources.

This year's Fisheries Awareness Programme theme was: 'Sustainable Healthy and Productive Marine Resources are our Wealth'.

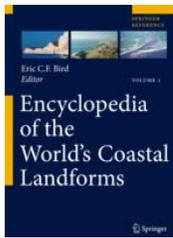


Mwaba Bakarere leading the dance during the Kiribati Fisheries Awareness Day in late October 2014. (Photo credit: Mwaba Bakarere)



Kiribati Fisheries Library/Information Centre Display during the Awareness Day. (Photo credit: Mwaba)

New additions to PIMRIS Library



Encyclopedia of the world's coastal landforms / edited by Eric Bird. London: Springer, c2010. ISBN: 9781402086380.

As the only available encyclopedia on the subject, this 2 volume compendium provides details of the coastal features of each country (state or county) and assembles a vast amount of data and images of an endangered and increasingly populated and developed landform.

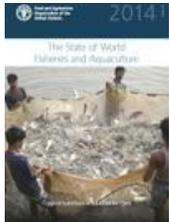
http://www.springer.com/earth+sciences+and+geography/geography/book/978-1-4020-8638-0?token=gbgen&wt_mc=GoogleBooks.GoogleBooks.3.EN



Marine pharmacognosy: trends and applications / edited by Se-Kwon Kim. Boca Raton: Taylor & Francis, c2013. ISBN: 9781439892299.

This book provides a comprehensive account of marine-derived bioactive pharmaceuticals and their potential health benefits, including antioxidant, anticancer, antiviral, anticoagulant, antidiabetic, antiallergy, anti-inflammatory, antibacterial, and radioprotective activities.

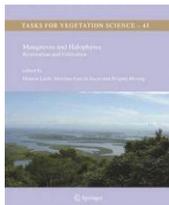
<http://www.crcpress.com/product/isbn/9781439892299>



The state of world fisheries and aquaculture / by the FAO Fisheries Department. Rome: FAO, c2014. ISBN: 9789251082751.

This edition highlights the significant role that fisheries and aquaculture plays in eliminating hunger, promoting health and reducing poverty.

<http://www.fao.org/3/d1eaa9a1-5a71-4e42-86c0-f2111f07de16/i3720e.pdf>



Mangroves and halophytes: restoration and utilisation / edited by H. Lieth, M. G. Sucre, B. Herzog. London: Springer, c2008. ISBN: 9789048177042.

The book draws on expertise from Europe and South America to present a series of case studies that detail Venezuela's saline ecosystems and examine the economic potential of mangrove restoration and halophyte production.

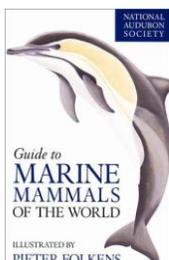
<http://www.springer.com/life+sciences/plant+sciences/book/978-1-4020-6719-8>



Prehistoric marine resource use in the Indo-Pacific regions / edited by Rintaro Ono, David Addison & Alex Morrison. A.C.T, Australia: ANU Press, c2013. ISBN: 9781925021257.

This volume contains eleven papers which constitute a diverse but coherent collection on past and present marine resource use in the Indo-Pacific region, within a human ecological perspective.

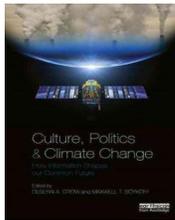
<http://press.anu.edu.au/titles/terra-australis/prehistoric-marine-resource-use-in-the-indo-pacific-regions-terra-australis-39/>



National Audubon Society marine mammals of the world / by B. S. Stewart, B. J. Clapham, J. A. Powell, [et al.]. New York: A.A. Knopf, c2002. ISBN: 9780375411410.

This book describes in fascinating detail all 120 species of the world's whales, dolphins, porpoises, seals and sea lions, manatees, Marine and Sea Otters, and the Polar Bear. Written by a team of experts and featuring more than 320 illustrations, 418 photographs, and 123 maps, this new guide offers more authoritative, up-to-date, and accessible information.

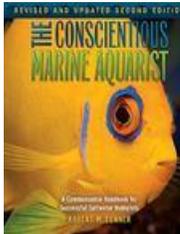
http://books.google.com/fj/books?id=5CYXAQAAIAAJ&source=gbs_ViewAPI&redir_esc=y



Culture, politics and climate change: how information shapes our common future / edited by Deserai A. Crow & Maxwell T. Boykoff. Oxfordshire: Routledge, c2014. ISBN: 9780415661492.

This book focuses on cultural values and norms as they are translated into politics and policy outcomes related to our current understanding of climate change.

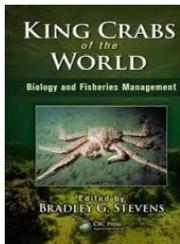
<http://www.routledge.com/books/details/9780415661492/>



The conscientious marine aquarist: a commonsense handbook for successful saltwater hobbyists / by R. A. Fenner. Bath: Manning Partnership, c2008. ISBN: 9781890087999.

This indispensable guide spotlights scientific research performed by leading authorities that deals with various aspects of biology, ecology, systematics and conservation.

<http://www.amazon.com/Conscientious-Marine-Aquarist-Microcosm-Professional/dp/1890087998>



King crabs of the world: biology and fisheries management / edited by Bradley G. Stevens. Boca Raton, FL: CRC Press, c2014. ISBN: 9781439855416.

This single volume consolidates extensive knowledge on the biology, systematics, anatomy, life history, and fisheries of king crabs. It is the first comprehensive scientific reference devoted to the biology and fisheries of king crabs.

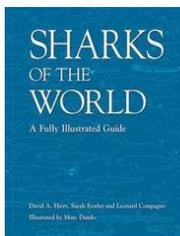
<http://www.crcpress.com/product/isbn/9781439855416>



Advances in aquaculture hatchery technology / edited by Geoff Allan & Gavin Burnell. Oxford: Woodhead Publishing, c2013. ISBN: 9780857091192.

This book provides a comprehensive, systematic guide to the use of current and emerging technologies in enhancing hatchery production.

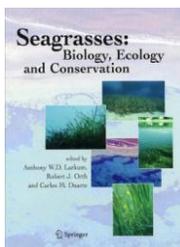
<https://www.elsevier.com/books/advances-in-aquaculture-hatchery-technology/allan/978-0-85709-119-2>



Sharks of the world: a fully illustrated guide / by D. A. Ebert, S. Fowler [et al.]. Plymouth, UK: Wild Nature Press, c2013. ISBN: 9780957394605.

This single volume, fully illustrated guide covers over 500 of the world's shark species incorporating the most recent taxonomic revisions of many shark families.

<http://www.amazon.com/Sharks-World-Fully-Illustrated-Guide/dp/0957394605>



Seagrasses: biology, ecology and conservation / edited by A. Larkum, R. Orth & C. M. Duarte. Dordrecht, The Netherlands: Springer, c2006. ISBN: 9789048167517.

This book not only focuses on what has been discovered but what exciting areas are left to discover. The book is divided into sections on taxonomy, anatomy, reproduction, ecology, physiology, fisheries, management, conservation and landscape ecology.

<http://www.springer.com/life+sciences/ecology/book/978-1-4020-2942-4>

Conferences, Workshops & Events

- 26 – 28 Jan. 2015 **Global Conference on Inland Fisheries**, Food and Agriculture Organisation of the United Nations (FAO) Headquarters, Rome, Italy.
More info.: <http://inlandfisheries.org/>
- 24 – 26 Feb. 2015 **General Fisheries Commission for the Mediterranean (GFCM): Committee on Aquaculture**, FAO Headquarters, Italy, Rome.
More info.: www.gfcm.org/gfcm/about/en
- 23 – 27 Mar. 2015 **Third International Symposium – ‘Effects of Climate Change on the World’s Oceans’**, Santos City, Brazil.
More info: www.pices.int/meetings/international_symposia/2015/2015-Climate-Change/scope.aspx
- 3 – 8 May 2015 **GEOHAB 2015 (Marine Geological and Biological Habitat Mapping)**. Bestana Hotel, Salvador, Bahia, Brazil.
More info: <http://www.geohab2015.org/>
- 26 – 30 May 2015 **World Aquaculture 2015 (WA 2015 JEJU)**, Jeju Island, Korea.
More info: <http://www.marevent.com/WA2015Korea.html>