

RICARDO PAMITTAN BABARAN

COLLEGE OF FISHERIES & OCEAN SCIENCES, UNIVERSITY OF THE PHILIPPINES VISAYAS
MIAGAO, ILOILO 5023 PHILIPPINES

EDUCATION

Doctorate in Fisheries Science, Fishing Technology Laboratory, Faculty of Fisheries, Kagoshima University, Japan (September 2009)

MS Engineering, Department of Mechanical Engineering, University of Washington, USA (Sept 1989)

BS Fisheries (Marine Fisheries), Department of Marine Fisheries, College of Fisheries, University of the Philippines Visayas, Diliman, Quezon City, Philippines, June 1980 - March 1984 (cum laude)

AWARDS

Dioscoro Umali Award as Outstanding Science Administrator for 2019, DOST National Academy of Science and Technology, World Trade Center, Pasay City.

Awardee, One Professorial Chair Award in Marine Fisheries (Capture Fisheries) for Outstanding Research and Public Service in UP Visayas, 2019 – 2021 (1st Renewal)

UP Scientist 1, 2014-Present (Consistently Renewed for 4 cycles)

UP Scientist 1, 2011-2013

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Associate Member, National Research Council of the Philippines, June 2021 - Present

EMPLOYMENT RECORD and selected major accomplishments

Chancellor, University of the Philippines Visayas, November 2017 – October 2020

- Completed and submitted the proposal to institute UPV Graduate School (UPVGS) by the end of the term. The proposal approved about a year later without substantial changes.
- Completed and submitted the proposal for UPV's Regional Research Center by the end of the term but was approved about a year later with revisions.
- Established agreements with various SUCs, supported proposal writing workshops with a number of them and jointly implemented some research with some SUCs
- Established partnerships with 9 international institutions

Vice-Chancellor for Research and Extension, University of the Philippines Visayas, November 2011-October 2014; November 2014 – October 2017

- Revised and introduced a total of 7 grant platforms (Regular In-house Research Grant, Mentored Research Grant, Thesis and Dissertation Support Grant, Small-budget In-house Research Grant, Leveraged Grant, Publication Support Grant, and Expanded Research Dissemination Grant, related to research and creative work, and public/extension service, resulting in higher research fund utilization capacity (from less than P3.0 M to P14.5 M), leading to at least 80 completed and publications and manuscripts in preparation as of 2016.
- Initiated a Project Procurement Section (PPS) as an intervention to address problems related to RA 9184. Although the PPS did not lead to major improvement of UPV's procurement operations, it allowed a deeper study into procurement bottlenecks, which led to the development of eProcure, an electronic procurement software that was also expanded later to cover all procurement operations of UPV.
- Revised the guidelines for UPV Journals (Philippine Journal of Natural Sciences (PJNS) and Philippine Journal of Social Sciences and Humanities (PJSSH)) in 2012. With the revisions, the journals are now accessible online, and the editors and contributions to the journals are diverse.
- Conceptualized the development and activation of a software called UPV RCWPPS (for UPV's Reporting System for Research, Creative Work, Publication and Public Service) for reporting projects and activities. The versatility of this software, which is available on desktop or mobile platforms and is available 24 hours via the internet, improved overall efficiency in recording individual outputs of university personnel or offices, and allowed near real-time generation of updated reports.
- Prepared the initial blueprint for establishing the Regional Research Center

Professor (October 2009 – Present) and Associate Professor (July 2005-September 2009),
Institute of Marine Fisheries and Ocean Sciences, College of Fisheries and Ocean Sciences, University
of the Philippines Visayas, October 2009 – Present

OTHER MAJOR ENGAGEMENTS IN RESEARCH & EXTENSION SERVICES

Leader of the research group manning the Fisheries and Otoliths Research Applications Laboratory (FOReAL) and is a member of Advancing Valorization for Agri-Fisheries Materials using Opportune Science (AVAMOS), which are currently publishing scientific articles since 2021.

RDLeader, hosted by Capiz State University through the support of NRCP-DOST. November 2021-October 2022. Assessed the institutional capacity of Capiz State University, conducted and facilitated the capability-building activities for CAPSU's researchers, and co-developed research proposals that were funded by DOST and DA.

Program leader of Applications of molecular genetics and otoliths as tools for fisheries management, Emerging Inter Disciplinary Research, University of the Philippines (Main Funding) and University of the Philippines Visayas (Co-funding) (Feb 2020- January 2022). With overall responsibility over 4 projects. Completed 5 publications with at least 5 more scientific manuscripts for submission and in preparation; an atlas of fish otoliths is also in preparation.

Principal Investigator of Marine Fisheries Assessment of Panay: Building Local Fisheries Information through Research Capability Enhancement in HEIs. Commission on Higher Education (Main funding agency) and University of the Philippines Visayas (Co-funding), August 2019-July 2021. With overall supervision over 3 component Projects involving 4 SUCs (NISU, ASU, UA, and CapSU) in Western Visayas. Completed 3 publications with at least 6 more manuscripts that are either submitted, for submission or in preparation; an atlas of fishes is also in preparation.

Overall Team Leader (Philippines), Coastal Area Capability Enhancement Project in Southeast Asia. Collaborative Project of UP Visayas with Research Institute for Humanity and Nature (RIHN) (Japan), University of Tokyo, Tokyo University of Marine Science and Technology, Tokai University, Kagoshima University, Kasetsart University (Thailand), and the Southeast Asian Fisheries Development Center – Aquaculture Department Aklan State University, April 2012 – March 2017. The collaboration generated a total of 8 publications and still counting.

Project Director – Philippines of Benefiting from Innovations in Sustainable and Equitable Management of Fisheries on Trans-boundary Tunas in the Coral Triangle and Western Pacific” (BESTTuna Program), which is a Collaborative Project of UP Visayas with Wageningen University (Netherlands), University of the Philippines Mindanao (Philippines), Bogor Agricultural University (Indonesia), and the University of South Pacific (Fiji), January 2012 – December 2016. The collaboration generated a total of 5 publications.

PUBLICATIONS IN SCIENTIFIC JOURNALS AND BOOKS

Jela C, Monteclaro HM, Añasco NC, Quinitio GF, Babaran RP. 2024. Identification of pen shells (Bivalvia: Ostreida: Pinnidae) collected off northern Iloilo, Philippines using their morphological characters. *Acta Ichthyologica et Piscatoria* 54: 49-61. <https://doi.org/10.3897/aiep.54.112465>

Cabebe-Barnuevo RA, Obar EAA, Penuela DFA, Motomura H, Babaran RP, Malay MCD. 2023. Two new records of moray eels representing genera *Gymnothorax* and *Strophidon* (Actinopterygii: Anguilliformes: Muraenidae) from the Philippines. *Acta Ichthyologica et Piscatoria* 53: 217-226. <https://doi.org/10.3897/aiep.53.108838>

Lumayno SDL, Labrador HKS, Barnuevo KDE, Cabebe-Barnuevo RA, Cadiz RE, Babaran RP. 2023. Infection parameters of *Norileca indica* and a new record of *Ceratothoa carinata* (Crustacea: Isopoda: Cymothoidae) on *Selar crumenophthalmus* (Actinopterygii: Carangiformes: Carangidae) in the waters of the Sibuyan Sea, the Philippines. *Acta Ichthyologica et Piscatoria* 53: 147-155. <https://doi.org/10.3897/aiep.53.108918>

Morales CJC, Barnuevo KDE, Delloro ES Jr. Cabebe-Barnuevo RA, Calizo JKS, Lumayno SDP, Babaran RP. 2023. Otolith Morphometric and Shape Distinction of Three Redfin Species under the Genus *Decapterus* (Teleostei: Carangidae) from Sulu Sea, Philippines. *Fishes* 2023, 8(2), 95; <https://doi.org/10.3390/fishes8020095>

Macusi ED, da Costa-Neves AC, Tipudan CD, Babaran RP. 2023. Closed Season and the Distribution of Small-Scale Fisheries Fishing Effort in Davao Gulf, Philippines. *World* 2023, 4, x. <https://doi.org/10.3390/xxxx>

Cabebe-Baronuevo RA, Delloro ES Jr, Penuela DFA, Malay MCD, Motomura H, Babaran RP. 2022. New record of anthiadine fish, *Plectranthias yamakawai* (Actinopterygii: Perciformes: Serranidae), from the Philippines. *Acta Ichthyologica et Piscatoria* 52(4), 2022, 299–307 | DOI 10.3897/aiep.52.96112

- Barnuevo KDE, Morales CJC, Calizo JKS, Delloro, ES Jr, Añasco CP, Babaran RP, Lumayno SDP. 2022. Distinct Stocks of the Redtail Scad *Decapterus kurroides* Bleeker, 1855 (Perciformes: Carangidae) from the Northern Sulu and Southern Sibuyan Seas, Philippines Revealed from Otolith Morphometry and Shape Analysis. *Fishes*, 8, 12. <https://doi.org/10.3390/fishes8010012>
- Macario AC, Monteclaro HM, Babaran RP. 2022. Fishing trials using banana and fish baits in pots for catching marine crabs: an attempt to tropical selective crustacean trapping. *The Palawan Scientist*, 14(2): 94-102.
- Misawa R, Babaran RP, Motomura H. 2022. Okamejei panayensis sp. nov., a new skate (Rajiformes: Rajidae) from the Philippines. *Ichthyological Research* <https://doi.org/10.1007/s10228-022-00874-1>
- Obar EAA, Noblezada-Payne MMP, Monteclaro HM, Babaran RP. 2021. Characterization of the handline fishery in Batanes Province, Philippines. *Phil. J. Nat. Sci.* 26: 32-47.
- Muto N, Kakioka R, Ghaffar MA, Quan NV, Villasri V, Traifalgar RFM, Babaran RP, Muto F, Takeshima H, Motomura H, Ishikawa S. 2021. Fine-scale phylogeography of coastal fishes in the South China Sea: Possible roles of biological traits and geography. *Journal Of Biogeography* (<https://doi.org/10.1111/jbi.14239>).
- Delloro E Jr. S, Babaran RP, Gaje AC, Cambronero PT, Alama UB, Motomura H. 2021. First records of slender red scad, *Decapterus smithvanizi* (Perciformes: Carangidae) from the Philippines. *Acta Ichthyologica et Piscatoria*. DOI 10.3897/aiep.51.63117
- Simora RMC, Armada CD, Babaran RP. 2021. Quality Assessment of Marinated Flying Fish (*Cheilopogon intermedius*) Fillets During Vacuum-packed Storage at 4°C. *Phil. J. Sci.* 150 (1): 223-232.
- Cabebe RA, Barnuevo KE, Okamoto J, Donato JE, Motomura H, Babaran RP. 2019. First Specimen-based Record of *Eumegistus illustris* Jordan and Jordan, 1922 (Perciformes: Bramidae) from Panay Island, Philippines, *Mem. Fac. Fish. Kagoshima Univ.* 68, 25-29.
- Fernandez PN, Gaje A, Babaran RP. 2019. Comparison of Low-Cost Global Positioning System (GPS) Data Loggers for Their Potential Application in Fishing Vessel Monitoring System in the Philippines. *Asian Fisheries Science* 32: 56–63.
- Delloro E Jr. S, Motomura H, Babaran RP. 2019. Sexual dimorphism in the spotted stinger *Inimicus sinensis* (Valenciennes, 1833) and notes on pore structures on the body. *Phil. J. Systematic Biology*, 13(1): 1-11.
- Simora RMC, Monaya KJM, Babaran RP. 2019. Effect of Alginate-Calcium Coating Combined with Natural Antioxidants on Quality of Flying Fish (*Cheilopogon intermedius*) Fillets during Refrigerated Storage. *Phil J. Sci.* 148 (1): 131-139
- Hata H, Alama UB, Cruz RS, Babaran RP, Motomura H. 2016. First specimen-based record of *Taractes rubescens* (Perciformes: Bramidae) from the Philippines. *Mem. Fac. Fish. Kagoshima Univ.*, 65: 27-31.
- Kakioka R, Muto N, Takeshima H Gaje AC, Cruz RS, Alama UB, Guzman AMT, Traifalgar RFM, Babaran RP, Muda O, Arshad WM, Arnupapboon S, Phuttharaksa K, Nguyen QV, Pham TT, Mitomura H, Muto F; Ishikawa S. 2017. Cryptic genetic divergence in *Scolopsis taenioptera* (Perciformes: Nemipteridae) in the western Pacific Ocean. *Ichthyological Research* DOI 10.1007/s10228-017-0596-1
- Muto N, Alama UB, Kakioka R, Babaran RP, Motomura H. 2017. First record of *Lutjanus madras* (Perciformes: Lutjanidae) from the Pacific Ocean, with comments on its intraspecific morphological variation. *Cybium* 413, 295-298.
- Motomura H, UB Alama, N Muto, RP Babaran, S Ishikawa (eds). 2017. Commercial and bycatch market fishes of Panay Island, Philippines. The Kagoshima University Museum, Kagoshima, University of the Philippines Visayas, Iloilo, and Research Institute for Humanity and Nature, Kyoto. 244 pp, 911 figs.
- Macusi ED, Katikiro RE, Babaran RP. 2017. The influence of economic factors in the change of fishing strategies of tuna FAD fishers in the face of declining catch, the Philippines. *Marine Policy* 78: 98–106
- Macusi ED, Babaran RP, Abreo NAS, Palmes J. 2017. Local ecological knowledge of purse seine fishers on fish behavior and species distribution in anchored FADs (payao) in General Santos City, Philippines. *Front. Mar. Sci.* (doi: 10.3389/fmars.2017.00188)
- Matsunuma M, Mazlan AG, Arshad A, Seah YG, Siti Tafzilmeriam SAK, Ramasamy AA, Babaran RP, Fukui Y, Motomura H. 2016. Distribution Range Extensions of *Parapercis bicoloripes* and *P. diplospilus* (Perciformes: Pinguipedidae) in the South China Sea and the Adjacent Waters, with Notes on Ontogenetic Changes in *P. bicoloripes*. *Species Diversity* 21: 187–196
- Muto N, Takeshima H, Kakioka R, Alama UB, Guzman AMT, Cruz RS, Gaje AC, Traifalgar RFM, Motomura H, Muto F. Babaran RP, Ishikawa S. 2016. Rapid and cost-effective molecular identification of the three mackerel species of the genus *Rastrelliger* (Perciformes: Scombridae) using PCR-RFLP analysis. *Mar Biodiv.* DOI 10.1007/s12526-016-0537-7 (published online)
- Tolentino-Zondervan F, Berentsen P, Bush S, Idemne J, Babaran RP, Lansink AO. 2016. Comparison of Private Incentive Mechanisms for Improving Sustainability of Filipino Tuna Fisheries. *World Development* 83: 264-279.

- Macusi ED, Babaran RP, Ingles JA. 2015. Vertical Movements, Behavior and Habitat Utilization of Adult Yellowfin Tuna (*Thunnus albacares*) Tagged in West Philippine Sea, Mindoro Island, Philippines. IAMURE Multidisciplinary Research 15:280-298.
- Macusi ED, Babaran RP, van Zwieten PAM. 2015. Strategies and tactics of tuna fishers in the payao (anchored FAD) fishery from general Santos city, Philippines. Marine Policy 62: 63–73.
- Muto N, Alama UB, Hata H, Guzman AMT, Cruz R, Gaje A, Traifalgar RFM, Kakioka R, Takeshima H, Motomura M, Muto F, Babaran RP, Ishikawa S. 2015. Genetic and morphological differences among the three species of the genus *Rastrelliger* (Perciformes: Scombridae). Ichthyol Res. DOI 10.1007/s10228-015-0498-z
- Monteclaro HM, Babaran RP, Sanares RC, Quintino ET. 2014. Physiological and avoidance responses of juvenile mud crab *Scylla serrata* to mercury. AACL Bioflux 7(6):441-448.
- Mitsunaga Y, Endo C, Babaran R. 2013. Schooling behavior of juvenile yellowfin tuna *Thunnus albacares* around a fish aggregating device (FAD) in the Philippines. Aquat. Living Resour. 26:79–84.
- Ishizaki M, Cruz R, Babaran R. 2013. Fundamental Survey on Fish Aggregating Ability of Floating Fish Aggregating Device Payao in Panay Island, Philippines. Mem. Fac. Fish. Kagoshima Univ., Special Issue, pp. 39-44.
- Cruz, R, Ishizaki M, Babaran R. 2013. Hydrodynamic Drag Characteristics of an Anchored Bamboo Fish Aggregating Device (Payao) Based on Model Experiments. Phil. J. Nat. Sci. 18 (1):47-54.
- Pedrosa-Gerasmio IR, Babaran RP, Santos MD. 2012. Discrimination of Juvenile Yellowfin (*Thunnus albacares*) and Bigeye (*T. obesus*) Tunas using Mitochondrial DNA Control Region and Liver Morphology. PLoS ONE 7(4): e35604. doi:10.1371/journal.pone.0035604
- Mitsunaga Y, Endo C, Anraku K, Selorio CM Jr, Babaran RP. 2012. Association of early juvenile yellowfin tuna *Thunnus albacares* with a network of payaos in the Philippines. Fish Sci 78:15–22.
- Balisco, R. Babaran R. 2012. Effects of hauling speed and hook types on the survival of nemipterids caught by handlines in Guimaras, Philippines. Phil. J. Nat. Sci 17(1):1-8.
- Babaran RP, Ishizaki M. 2011. Profile of payao (floating artificial reef or Fish attracting device) fisheries in the Philippines, pp. 49-54 in H.-J. Ceccaldi, I. Dekeyser, M. Girault, G. Stora (Eds.), Global Change: Interactions mankind-marine Environments, Springer Science, Dordrecht, Netherlands, 460 pp.
- Mitsunaga Y, Babaran R, Endo C, Anraku K. 2011. Swimming behavior of juvenile yellowfin tuna (*Thunnus albacares*) around fish aggregating devices (F.A.D.S) in the Philippines, pp. 121-124 in H.-J. Ceccaldi, I. Dekeyser, M. Girault, G. Stora (Eds.), Global Change: Interactions mankind-marine Environments, Springer Science, Dordrecht, Netherlands, 460 pp.
- Babaran RP, Ishizaki M. 2010. Measurement of payao vibrations, in Yamane et al. (Eds), Proceedings of 9th International Workshop METHODS FOR THE DEVELOPMENT AND EVALUATION OF MARITIME TECHNOLOGIES (DEMAT '09).
- Anraku K, Yan HY, and Babaran RP. 2010. Acoustico-lateralis system of fish: its role in modulating fish behaviors and application in fisheries, pp. 45-64 in He, P. (Ed.), Chapter 3: Behavior of marine fishes: Capture Processes and conservation challenges, Wiley-Blackwell.
- Watanabe K, Anraku K, Monteclaro HM, and Babaran RP. 2010. Morphological characteristics of lateral line in three fish species. Aquaculture Sci., Vol. 58 (1), pp. 25-35.
- Babaran R, Endo C, Mitsunaga Y, and Anraku K. 2009. Telemetry study on juvenile yellowfin tuna around a payao in the Philippines. Fisheries Engineering 46 (1): 21-28.
- Babaran RP, Selorio, CM Jr, Anraku K, and Matsuoka T. 2009. Comparison of the food intake and prey composition of payao-associated and free-swimming bigtooth pomfret *Brama orcini*. Fisheries Research 95 (1): 132-137.
- Babaran RP, Anraku K, Ishizaki M, Watanabe K, Matsuoka T, and Shirai H. 2008. Sound generated by a payao and comparison with auditory sensitivity of jack mackerel *Trachurus japonicus*. Fisheries Science 74 (8): 1207-1214.
- Babaran RP, Anraku K, Ishizaki M, Watanabe K, Matsuoka T, and Shirai H. 2008. Comparison of auditory sensitivity of pelagic fish with the sound generated by a fish aggregating device. Bioacoustics, 17 (1-3): 55-57.
- Babaran RP, Ishizaki M, Aguilar GD, Anraku K, Matsuoka T. 2008. Status of scientific exchange in capture fisheries under the JSPS-DOST CUP Program, Memoirs of the Kagoshima University Faculty of Fisheries, Special Issue, pp. 3-6.
- Selorio CM Jr, Babaran RP, Anraku K. 2008. Catch composition and discards of stationary liftnet fishery in Panay Gulf, Philippines. Memoirs of the Kagoshima University Faculty of Fisheries, Special Issue, pp. 56-59.
- Abunal EP, Ingles JA, Babaran RP, Padilla MA. 2003. Early developmental stages of wild fishes from San Pedro Bay, Leyte, Philippines belonging to the families Atherinidae, Clupeidae, Callionymidae, Mugilidae and Sciaenidae. The Phil. Agr. Sci., 86 (4): 346-354.

- Monteclaro H and Babaran R. 2003. Behavioral response of carp to cuttlefish ink, UPV J. Nat. Sci., Vol. 8, pp. 1-5.
- Babaran RP and Yamane T. 2001. Effects of lunar cycle on set-net catch. UPV J. Nat. Sci., 7(1&2): 86-91.
- Ishizaki M, Nishi T, Babaran RP. 2001. Measurement of a model lift net. UPV J. Nat. Sci., 7(1&2): 15-23.
- Yamane T and Babaran RP. 2001. The diversity of catch between set-net (Fish Corral) and small type stationary trap net. UPV J. Nat. Sci., 7(1&2): 179-183.
- Añasco N and Babaran RP. 2001. Spatial distribution and habitat selection of setnet-caught Greasyback Shrimp (*Metapenaeus ensis*) and Banana Prawn (*Penaeus merguensis*) in Batan Bay Estuary, Philippines. UPV J. of Nat. Sci., 7(1&2): 196-217.
- Babaran RP, Espinosa RA, and Abalos TU. 1998. Initiating and triggering mechanisms causing harmful algal blooms. Journal of Shellfish Research. 17 (5): 1623-1626.
- Babaran RP, Ingles JA, Añasco NC, and Flores JA. 1997. Coastal waters off Guimaras Province, pp. 1-14, In: Babaran RP and Ingles JA (Eds.). Philippine coastal marine habitats at risk: A case study of Guimaras Island. Institute of Marine Fisheries and Oceanology; University of the Philippines Center for Integrated and Development Studies, Marine Affairs Program; and, the University of the Philippines Press. 249 pp.
- Ingles JA, Babaran RP, Zamayla ME, and Martinez RT. 1997. Coral reefs of Guimaras Province, pp. 15-90, In: R. P. Babaran and J. A. Ingles (Eds.). Philippine coastal marine habitats at risk: A case study of Guimaras Island. Institute of Marine Fisheries and Oceanology; University of the Philippines Center for Integrated and Development Studies, Marine Affairs Program; and, the University of the Philippines Press. 249 pp.
- Babaran RP, Ingles JA, Flores JA, Añasco NC, Martinez RT, and Zamayla ME. 1997. The mangrove ecosystems of Guimaras Province, pp. 91-159, In: R. P. Babaran and J.A. Ingles (Eds.). Philippine coastal marine habitats at risk: A case study of Guimaras Island. Institute of Marine Fisheries and Oceanology; University of the Philippines Center for Integrated and Development Studies, Marine Affairs Program; and, the University of the Philippines Press. 249 pp.
- Babaran RP, Ingles JA, Zamayla ME, and Martinez RT. 1997. The seagrass ecosystems of Guimaras Province, pp. 161-200, In: R. P. Babaran and J.A. Ingles (Eds.). Philippine coastal marine habitats at risk: A case study of Guimaras Island. Institute of Marine Fisheries and Oceanology; University of the Philippines Center for Integrated and Development Studies, Marine Affairs Program; and, the University of the Philippines Press. 249 pp.
- Babaran RP, Ingles JA, and Martinez RT. 1997. Managing the coastal marine habitats of Guimaras Province, pp. 201-225, In: R. P. Babaran and J.A. Ingles (Eds.). Philippine coastal marine habitats at risk: A case study of Guimaras Island. Institute of Marine Fisheries and Oceanology; University of the Philippines Center for Integrated and Development Studies, Marine Affairs Program; and, the University of the Philippines Press. 249 pp.

PAPERS IN PROCEEDINGS OF CONFERENCES

- Babaran RP. 2007. Recalculation of the Philippine tuna production from the WCPO. Information Paper, 3rd Scientific Committee Meeting of the Western and Central Pacific Fisheries Commission, Hawaii, USA, 24 August 2007, WCPFC SC FT-IP-10.
- Babaran RP. 2006. Payao fishing in the Philippines and its potential impacts to tuna stocks. Working Paper, 2nd Scientific Committee Meeting of the Western and Central Pacific Fisheries Commission, Manila, Philippines, 7-18 August 2006, WCPFC SCI FT WP-7.
- Babaran RP. 2004. Philippine policies on fishing methods and gears: Implications to fisheries management, pp. 10-22 in WWF-SSME Program. Towards an improved Philippine Fisheries Code: An analysis of the capture fisheries provisions. WWF Sulu-Sulawesi Marine Ecoregion Program. WWF-Philippines, Quezon City, 80 pp.
- Babaran RP. 2004. Artificial reefs and fish aggregating devices: Help or hindrance?, pp. 237-240 in DA-BFAR. 2004. In: Turbulent Seas: The status of Philippine marine fisheries, CRMP, Cebu City Philippines, 378 pp.
- Babaran RP. 1998. Technical cooperation for the development of the fishing industry in the Philippines, pp. 193-198 in Fisheries Today in the Philippines, Proceedings of the First International Seminar on development, management and conservation on fisheries resources and aquatic environment of the Philippines, Kagoshima, Japan.
- Babaran RP. 1998. Marine Fisheries Resources in the Philippines, pp. 35-45 in Fisheries Today in the Philippines, Proceedings of the First International Seminar on development, management and conservation on fisheries resources and aquatic environment of the Philippines, Kagoshima, Japan.

Babaran RP and Ingles JA. 1998. Coastal Zone Development and management, pp. 37-50, In: Batongbacal JL (Ed.). Archipelagic studies: Charting new waters. University of the Philippines systemwide network on archipelagic and ocean studies. 195 pp.

Babaran RP, Ingles JA and Abalos TU. 1998. Defining the university's agenda for the Philippine fisheries sector, pp. 51-70, In: Batongbacal JL (Ed.). Archipelagic studies: Charting new waters. University of the Philippines systemwide network on archipelagic and ocean studies. 195 pp.