

## 引用文献

### 【1章】

- 馬場繁幸・毛塚みお・大城のぞみ・馬場花梨・金城あけみ・与那原章・貝沼真美 2024 沖縄のヤエヤマヒルギ (*Rhizophora stylosa* Griff.) の学名と和名について *Mangrove Science* 15:3-8
- 小見山章 2017 マングローブ林 変わりゆく海辺の森の生態系 京都大学学術出版会
- Spalding M, Kainuma M, Collins L 2010 *World Atlas of Mangroves (version 3.1)*. A collaborative project of ITTO, ISME, FAO, UNEP-WCMC, UNESCO-MAB, UNU-INWEH and TNC. London (UK): Earthscan, London. 319 pp
- Takayama K, Tateishi Y, Kajita T 2021 Global phylogeography of a pantropical mangrove genus *Rhizophora*. *Scientific Reports*, 11, 7228
- 谷口真吾 2020 北限に分布するマングローブの生理生態と再生 海外の森林と林業 108:43-48
- Tomlinson PB 1986 *The Botany of Mangroves*, Cambridge University Press, Cambridge (UK) 419pp.

### 【2章】

- FAO 2023a Global effort to safeguard mangroves steps up. FAO News and Media [https://www-fao-org.translate.google/newsroom/detail/global-effort-to-safeguard-mangroves-steps-up/en?\\_x\\_tr\\_sl=auto&\\_x\\_tr\\_tl=ja&\\_x\\_tr\\_hl=ja&\\_x\\_tr\\_pto=wapp](https://www-fao-org.translate.google/newsroom/detail/global-effort-to-safeguard-mangroves-steps-up/en?_x_tr_sl=auto&_x_tr_tl=ja&_x_tr_hl=ja&_x_tr_pto=wapp) (2024/9/21閲覧)
- FAO 2023b The world's mangroves 2000–2020. Rome <https://doi.org/10.4060/cc7044en> (2024/9/21閲覧)
- Leal M, Spalding MD 2022 The State of the World's Mangroves 2022. Global Mangrove Alliance <https://www.wetlands.org/publication/the-state-of-the-worlds-mangroves-2022/#> (2024/9/21閲覧)
- UNEP 2014 The Importance of Mangroves: A Call to Action Report. UNEP <https://www.unep.org/resources/report/importance-mangroves-people-call-action-0> (2024/9/21閲覧)
- UNEP 2023 Decades of Mangrove Forest Change. UNEP <https://www.unep.org/resources/report/decades-mangrove-forest-change-what-does-it-mean-nature-people-and-climate> (2024/9/21閲覧)

### 【3章】

- Chowdhury A, Naz A, Iyer AS, Bhattacharyya S 2021 Ecosystem Based Disaster Risk Reduction at Indian Sundarbans: A Lesson Learned from AMPHAN Supercyclone. *IOP Conf. Ser. Earth Environ. Sci.* 796
- Donato DC, Kauffman JB, Murdiyarsa D, Kurnianto S, Stidham M, Kanninen M 2011 Mangroves among the most carbon-rich forests in the tropics. *Nat. Geosci.* 4, 293–297
- Kamil EA, Takaijudin H, Hashim AM 2021 Mangroves as coastal bio-shield: A review of mangroves performance in wave attenuation. *Civ. Eng. J.* 7, 1964–1981
- 環境省 2024 価値ある自然－生態系と生物多様性の経済学：TEEBの紹介 14 pp [https://www.biodic.go.jp/biodiversity/about/library/files/TEEB\\_pamphlet.pdf](https://www.biodic.go.jp/biodiversity/about/library/files/TEEB_pamphlet.pdf) (2024/9/26閲覧)

- Kim K, Seo E, Chang SK, Park TJ, Lee SJ 2016 Novel water filtration of saline water in the outermost layer of mangrove roots. *Sci. Rep.* 6, 1–9
- Laegdsgaard P, Johnson C 2001 Why do juvenile fish utilise mangrove habitats? *J. Exp. Mar. Bio. Ecol.* 257, 229–253
- Ono K, Fujimoto K, Hirata Y, Tabuchi R, Taniguchi S, Furukawa K, Watanabe S, Suwa R, Lihpai S, 2022 Estimation of total fine root production using continuous inflow methods in tropical mangrove forest on Pohnpei Island, Micronesia: Fine root necromass accumulation is a substantial contributor to blue carbon stocks. *Ecol. Res.*, 2003–2005
- Robertson AI, Phillips MJ 1995 Mangroves as filters of shrimp pond effluent: predictions and biogeochemical research needs. *Asia-Pacific Symp. Mangrove Ecosyst.*, 311–321
- Spalding MD, Parrett CL, Spalding M, Parrett CL 2019 Global patterns in mangrove recreation and tourism. *Mar. Policy*, 103540
- Uddin MM, Abdul Aziz A, Lovelock CE 2023 Importance of mangrove plantations for climate change mitigation in Bangladesh. *Glob. Chang. Biol.* 29, 3331–3346
- Vinoth R, Kumaravel S, Ranganathan R 2019 Therapeutic and Traditional Uses of Mangrove Plants. *J. Drug Deliv. Ther.* 9, 849–854

#### 【4章】

- IPCC 2014 変化する気候下での海洋・雪氷圏に関するIPCC 特別報告書
- Kamil EA, Takaijudin H, Hashim AH 2021 Mangroves as coastal bio-shield: A review of mangroves performance in wave attenuation. *Civil Eng. J.* 7:1964-1981
- 気象庁 <https://www.data.jma.go.jp/kaiyou/db/tide/knowledge/tide/takashio.html>
- Mazda Y, Magi M, Kogo M, Hong PN 1997 Mangroves as a coastal protection from waves in the Tong King delta, Vietnam. *Mangrove and Salt Marshes* 1: 127-135

#### 【5章】

- Alongi DM 2020 Global significance of mangrove blue carbon in climate change mitigation. *Sci.* 2:67; doi:10.3390/sci2030067
- 馬場繁幸、北村昌三 1999 マングローブ植林のための基礎知識—マングローブ林の再生のために— 国際緑化推進センター編 139pp
- Donato DC, Kauffman JB, Mackenzie RA, Ainsworth A, Pflieger AZ 2012 Whole-island carbon stocks in the tropical Pacific: Implications of mangrove conservation and upland restoration. *J. Env. Manag.* 97:89-96
- Forbes K, Broadhed J 2007 The role of coastal forests in the mitigation of tsunami impacts. *FAO* 30pp.
- Guannel G, Arkema K, Ruggiero P, Verutes G 2016 The power of three: Coral reefs, seagrasses and mangroves protect coastal regions and increase their resilience. *PLOS ONE*  
DOI:10.1371/journal.pone.0158094
- 堀正和、桑江朝比呂 2017 ブルーカーボン：浅海におけるCO<sub>2</sub>隔離・貯留とその活用 地人書館
- イカオ・アコHP <http://ikawako.com/> (2024/5/10閲覧)
- ジャパン石油開発HP <https://www.jodco.co.jp/csr.html> (2024/5/10閲覧)
- Kamil EA, Takaijudin H, Hashim AM 2021 Mangroves as coastal bio-shield: A review of mangroves

- performance in wave attenuation. Civil Eng. J 7:1964-1981
- 環境省自然環境局 2022 生態系を活用した気候変動適応策 (EbA) 計画と実施の手引き 国立環境研究所編 37pp
- 国立研究開発法人森林研究・整備機構森林総合研究所REDDプラス・海外森林防災研究開発センター 2021 森林を活用した防災・減災の取組 Country Report 2020年度 インドネシア共和国、タイ王国、ミャンマー連邦共和国 国立研究開発法人森林研究・整備機構森林総合研究所REDDプラス・海外森林防災研究開発センター編
- 国立研究開発法人森林研究・整備機構森林総合研究所REDDプラス・海外森林防災研究開発センター 2022 森林を活用した防災・減災の取組 Country Report 2021年度 タイ王国、インド共和国、フィリピン共和国 国立研究開発法人森林研究・整備機構森林総合研究所REDDプラス・海外森林防災研究開発センター編
- 国際協力機構(JICA) 2015 インドネシア共和国 マングローブ生態系保全と持続的な利用のASEAN地域における展開 プロジェクト終了時評価調査報告書 89pp
- 国際マングローブ生態系協会HP <http://mangrove.or.jp/index.html> (2024/5/10閲覧)
- コスモ石油HP <https://ecolozoo.cosmo-energy.co.jp/ecotour> (2024/5/10閲覧)
- 向後元彦 1988 緑の冒険－砂漠にマングローブを育てる－ 岩波新書 223pp
- 向後元彦 2014 マングローブ植林－沙漠と湿潤熱帯の経験から 日緑工誌39:486-492
- 望月章 2002 マングローブ植林とNGO活動－ベトナム、エクアドル、ミャンマー、プロジェクトを自邸として－ ランドスケープ研究66:97-101
- 南游の会HP <http://www.namdu.jp/> (2024/5/10閲覧)
- Nellmann C, Corcoran E, Duarte CM, Valdés L, De Young C, Fonseca L, Grimsditch G 2009 Blue carbon. A rapid response assessment. United Nations Environment Programme 78pp
- 日本財団HP <https://nippon.zaidan.info/kinenkan/history30/4/4603.html> (2024/5/10閲覧)
- オイスカHP <https://oisca.org/projects/> (2024/5/10閲覧)
- リコー・ジャパン株式会社HP <https://www.ricoh.co.jp/sales/about/sustainability/special/2022> (2024/5/10閲覧)
- 商船三井HP <https://www.mol-mauritius-fund.jp/> (2024/5/10閲覧)
- Spalding MD, McIvor AL, Beck MW, Koch EW, Möller I, Reed DJ, Rubinoff P, Spencer T, Tulhurst TJ, Wamsley TV, van Wesenbeeck BK, Wolanski E, Woodroffe CD 2014 Coastal ecosystems: A critical element of risk reduction. Conservation Letter 7:293-301
- 東京海上グループHP <https://www.tokiomarine-nichido.co.jp/world/greengift/mangrove/> (2024/5/10閲覧)
- 鶴田修己、鈴木高二朗、柳澤英明、森信人 2021 海岸保全施設としてのグリーンインフラのライフサイクルコストの検討 土木学会論文集B3 (海洋開発) 77:I\_181-I\_186
- ワイエルフォレストHP <https://ylforest.co.jp/> (2024/5/10閲覧)
- Yanagisawa H, Koshimuma S, Goto K, Miyagi T, Imamura F, Ruangrassamee A, Tanavud C 2009 The reduction effects of mangrove forest on a tsunami based on field surveys at Pakarang Cape, Thailand and numerical analysis. Estuarine, Coastal and Shelf Science 81:27-37

## 【6章】

- Anderson CC, Renaud FG 2021 A review of public acceptance of nature-based solutions: The ‘why’, ‘when’, and ‘how’ of success for disaster risk reduction measures. Ambio 50:1552–1573

<https://doi.org/10.1007/s13280-021-01502-4>

- Angelsen A., Larsen HO, Lund JF, Smith-Hall C, Wunder S 2011 Measuring livelihoods and environmental dependence: Methods for research and fieldwork, Earthscan. Center for International Forestry Research (CIFOR), London. <https://doi.org/10.17528/cifor/003341>
- Beeston M, Camero C, Hagger V, Howard J, Lovelock C, Sippo J, Tonneijk F, Bijsterveldt VC, van Eijk P 2023 Best practice guidelines for mangrove restoration.
- Camacho LD, Gevaña DT, Sabino LL, Ruzol CD, Garcia JE, Camacho ACD, Oo TN, Yiu E, Maung AC, Saxena K, Liang L, Takeuchi K 2019 Sustainable Mangrove Rehabilitation for Global and Local Benefits, Asia-Pacific Network for Global Change Research. <https://doi.org/10.13140/RG.2.2.11918.51523>
- Datta D, Chattopadhyay RN, Guha P 2012 Community based mangrove management : A review on status and sustainability. *J. Environ. Manage.* 107:84–95. <https://doi.org/10.1016/j.jenvman.2012.04.013>
- DFID 1999 Sustainable livelihoods guidance sheets, Departement for International Development.
- Ellison AM 2000 Mangrove restoration: Do we know enough? *Restor. Ecol.* 8:219–229 <https://doi.org/10.1046/j.1526-100X.2000.80033.x>
- FAO 2015 Handbook for monitoring and evaluation of child labour in agriculture. The Food and Agriculture Organization of the United Nations (FAO), Rome
- FAO, ILO 2009 The Livelihood Assessment Tool-kit
- 環境省 2023 令和5年版環境白書・循環型社会白書・生物多様性白書
- Lewis RR 2000 Ecologically based goal setting in mangrove forest and tidal marsh restoration. *Ecol. Eng.* 15:191–198. [https://doi.org/10.1016/S0925-8574\(00\)00070-7](https://doi.org/10.1016/S0925-8574(00)00070-7)
- Livelihoods Centre, n.d. livelihoods toolbox [WWW Document]. URL <https://www.livelihoodscentre.org/web/livelihoods-centre/toolbox> (accessed 9.20.24)
- MFF, SEI SEAFDEC 2018 Gender Analysis Toolkit for Coastal Management Practitioners. Thailand
- Pham TT, Vu TP, Hoang TL, Dao TLC, Nguyen DT, Pham DC, Dao LHT, Nguyen VT, Hoang NVH 2022 The Effectiveness of Financial Incentives for Addressing Mangrove Loss in Northern Vietnam. *Front. For. Glob. Chang.* 4:1–16. <https://doi.org/10.3389/ffgc.2021.709073>
- Poverty Environment Network 2007 PEN Technical Guidelines - version 4 - May 2007. Centre for International Forestry Research
- Primavera JH, Esteban JMA, 2008 A review of mangrove rehabilitation in the Philippines: Successes, failures and future prospects. *Wetl. Ecol. Manag.* 16:345–358. <https://doi.org/10.1007/s11273-008-9101-y>
- Walters BB, Rönnbäck P, Kovacs JM, Crona B, Hussain SA, Badola R, Primavera JH, Barbier E, Dahdouh-Guebas F 2008 Ethnobiology, socio-economics and management of mangrove forests: A review. *Aquat. Bot.* 89:220–236. <https://doi.org/10.1016/j.aquabot.2008.02.009>
- Woodhouse 2022 Lessons and guidance for policy from MAP’s community-based ecological mangrove restoration best practice, in: XV World Forestry Congress: Building a Green, Healthy and Resilient Future with Forests. Food and Agriculture Organization of the United Nations, Seoul

## 【7章】

馬場繁幸、北村昌三 1999 マングローブ植林のための基礎知識—マングローブ林の再生のために— 国際緑化推進センター編 139pp

- Cahoon DR, Hensel P, Rybczyk J, McKee KL, Priffitt E, Perez BC 2003 Mass tree mortality leads to mangrove peat collapse at bay islands, Honduras after Hurricane Mitch. *Journal of Ecology* 91: 1093–1105
- Castaneda E 2010 Landscape patterns of community structure, biomass and net primary productivity of mangrove forests in the Florida coastal everglades as a function of resource, regulators, hydroperiod, and hurricane disturbance. LSU Doctoral Dissertations:2823. Louisiana State University and Agricultural and Mechanical College. [https://digitalcommons.lsu.edu/gradschool\\_dissertations/2823](https://digitalcommons.lsu.edu/gradschool_dissertations/2823), 171pp
- Castañeda-Moya E, Twilley RR, Rivera-Monroy VH, Marx BD, Coronado-Molina C, Ewe SML 2011 Patterns of root dynamics in mangrove forests along environmental gradients in the Florida coastal everglades, USA. *Ecosystems* 14:1178–1195
- Cormier N, Twilley RR, Ewel KC, Krauss KW 2015 Fine root productivity varies along nitrogen and phosphorus gradients in high-rainfall mangrove forests of Micronesia. *Hydrobiologia* 750:69–75
- Finér L, Ohashi M, Noguchi K, Hirano Y 2011 Factors causing variation in fine root biomass in forest ecosystems. *For. Ecol. Manage.* 261:265–277
- Fujimoto K, Furukawa K, Ono K, Watanabe S, Epwriam E 2023 Effects of sea-level rise on blue carbon stocks of mangrove ecosystems: insights from Pohnpei Island, Federated States of Micronesia. *Carbon Footprints* 2:15
- 藤本潔、宮城豊彦、Melana E 1989 温室効果に伴う急激な海水準上昇のマングローブ生態系へ及ぼす影響の予測に関する基礎的研究—フィリピン、パグビラオ近郊のマングローブ林を例に— (宮城豊彦、マキシミノ G編 フィリピン、ルソン島におけるマングローブ的環境の成立とその人為破壊の実証的研究および修復への提言) 31-43 国際協力推進協会報告書
- Fujimoto K, Watanabe S, Ono K, Furukawa K 2024 The present and future of Micronesian mangrove forests in the context of rising sea levels. In: (Monaco E, Abe M eds.) *Sustainable development across Pacific Islands. Lessons, challenges, and ways forward.* Springer Nature Singapore Pte Ltd.) 213-226
- Gleason SM, Ewel KC 2002 Organic matter dynamics on the forest floor of a Micronesian mangrove forest: An investigation of species composition shifts. *Biotropica* 34: 190–198
- IPCC 2021 Climate change 2021: the physical science basis. <https://www.ipcc.ch/report/ar6/wg1/> (2024/9/21閲覧)
- 国際協力機構 (JICA) 2015 保全地域における後背地回復技術マニュアル—養殖地跡地のマングローブ生態系— 保全地域における生態系保全のための後背地回復能力向上プロジェクト報告書 77pp  
[https://www.jica.go.jp/Resource/project/indonesia/008/materials/ku57pq00001vqp6f-att/manual\\_02\\_jpn.pdf](https://www.jica.go.jp/Resource/project/indonesia/008/materials/ku57pq00001vqp6f-att/manual_02_jpn.pdf) (2024/9/21閲覧)
- 国際マングローブ生態系協会 1998 海と生きる森—マングローブ林— 63pp
- 国際緑化推進センター 2022 マングローブ再生ガイドブック 立地条件及び荒廃要因に応じたマングローブの再生技術 国際航業株式会社発行 66pp
- McKee KL, Cahoon DR, Feller IC 2007 Caribbean mangroves adjust to rising sea level through biotic controls on change in soil elevation. *Molecular Ecol.* 16:545-556
- 宮城豊彦、安食和宏、藤本潔 2003 マングローブ—なりたち・人びと・みらい— 古今書院

193pp

- Mochida Y, Fujimoto K, Miyagi T, Ishihara S, Murofushi T, Kikuchi T, and Pramojane P 1999 A phytosociological study of the mangrove vegetation in the Malay Peninsula. -Special reference to the micro-topography and mangrove deposit- TROPICS 8:207-220
- Noguchi K, Pongpan S, Umnouysin S, Patanaponpaiboon P, Duangnamol D, Yoneda R, Utsugi H, Sato T, Tabuchi R 2020 Biomass and production rates of fine roots in two mangrove stands in southern Thailand. JARQ 54:349-360
- Ono K, Fujimoto K, Hirata Y, Tabuchi R, Taniguchi S, Furukawa K, Watanabe S, Suwa R, Lihpai S 2022 Estimation of total fine root production using continuous inflow methods in tropical mangrove forest on Pohnpei Island, Micronesia: Fine root necromass accumulation is a substantial contributor to blue carbon stocks. Eco. Res. 37:33-52
- Ono K, Noguchi H, Lihn NTM, Tùng DT, Tri TQ, Takahata K, Mori N, Baba S, Miyagi T, Yanagisawa H, Phuong VT, Hirata Y 2024 Resistance to uprooting among mangrove trees at the Urauchi River mouth, Japan, and the Red River delta, Vietnam: A mechanical analytical comparison based on an *in-situ* tree-pulling experiment. 森林立地66: 17-26
- Pongpan S, Charoenphonphakdi T, Sangtian T, Patanaponpaiboon P 2016 Fine root production in three zones of secondary mangrove forest in eastern Thailand. Trees 30:467-474
- Sanchez BEG 2005 Belowground productivity of mangrove forests in southwest Florida. LSU Doctoral Dissertations: 1652. Louisiana State University and Agricultural and Mechanical College [https://digitalcommons.lsu.edu/gradschool\\_dissertations/1652](https://digitalcommons.lsu.edu/gradschool_dissertations/1652), 107 pp
- Spalding M, Lean M 2021 The State of the World's Mangroves 2021. Global Mangrove Alliance <https://www.mangrovealliance.org/wp-content/uploads/2021/07/The-State-of-the-Worlds-Mangroves-2021-FINAL.pdf> (2024/9/21閲覧)
- Tomlinson PB 1986 The botany of mangroves. Cambridge Univ. Press. pp. 413

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