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Google scholar <http://scholar.google.com/citations?user=x4UGiqMAAAAJ>

Researcher ID <http://www.researcherid.com/rid/O-4314-2015>

EDUCATION

- 2000 **Ph.D. in Conservation Biology**, University of York, UK.
Effects of multiple stresses on coral reef communities
Thesis advisor: Prof. Dr. Callum Roberts
- 1995 **M.Sc. (with distinction) in Aquaculture**, University of Stirling, UK.
Ecological effects of Pacific oyster intertidal cultivation on infaunal communities
Thesis advisor: Prof. Dr. Michel J. Kaiser
- 1995 **Diplôme d'ingénieur**, Institut Supérieur d'Agriculture (ISA), Lille, France

EMPLOYMENT

- 2011-present **Tenured Associate Professor** at the Ecole Pratique des Hautes Etudes (EPHE) with a Chaire d'Excellence CNRS. Nominated 1st December 2011. Tenure 1st December 2012. USR 3278 CRIOBE EPHE-CNRS-UPVD, Perpignan, France
- 2008-2011 **Research Scientist/Group leader**. Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany
- 2006-2008 **Post-doctoral researcher**. Royal Netherlands Institute for Sea Research (NIOZ), Texel, The Netherlands
- 2004-2006 **Research Assistant Professor**. Center for Marine Science, University of North Carolina Wilmington, USA
- 2002-2004 **Marie-Curie post-doctoral researcher**. Royal Netherlands Institute for Sea Research (NIOZ), Texel, The Netherlands

GRANTS AND AWARDS

- 2018-2019 **LabEx CORAIL**. ACIDINTERACT : *Effects of acidification on coral-cyanobacteria interaction* (€15k, collaborator)
- 2017-2019 **LabEx CORAIL**. PhD grant. CORALINE : *Understanding the interaction between crustose coralline algae and corals* (€85k, PI)
- 2017-2019 **Fondation de France**. ACIDREEF : *Ocean acidification : the other problem of coral reefs and island societies* (€150k, WP leader)
- 2017-2018 **LabEx CORAIL**. 1-yr postdoctoral grant. PATHOGEN : *Microbial communities associated with healthy and diseased crustose coralline algae* (€50k, collaborator)
- 2016-2017 **PEPS ExoMod CNRS**. ALGECO : *Crustose coralline algae : a new model to study the structure and functioning of coral reefs* (€32k, PI)

- 2016-2018 **Contrat de Projets Etat - Polynésie française. Moorea : an open laboratory to understand changes in coral reef ecosystems** (€250k, WP leader)
- 2016-2017 **LabEx CORAIL. 1-yr postdoctoral grant. IRON : Iron limitation in benthic algae and global disparity in coral reef resilience** (€50k, PI)
- 2015-2017 **Ministère des Outre-Mer. AQUA-CORAL : Coral husbandry and reef restoration in the face of climate change** (€25k, collaborator)
- 2015-2016 **LabEx CORAIL. ARCOS : Improving coral resistance against environmental stress using sexual reproduction** (€80k, collaborator)
- 2013-2018 **Ministère fédéral allemand de l'Éducation et de la Recherche (BMBF). REPICORE : Resilience of South Pacific coral reef social-ecological systems in times of global change** (€1.3m, collaborator)
- 2011-2016 **CNRS Chaire d'Excellence Section 29** (€150k)
- 2010-2015 **European Union FP7. FORCE : Future of Coral Reefs in a Changing Environment. Project coordinated by the University of Exeter, €6.4m involving 21 partners from the Caribbean, Europe and US** (€350k, PI and WP leader; 2 x 4-yrs PhD positions included)
- 2008-2011 **Ministère fédéral allemand de l'Éducation et de la Recherche (BMBF). SPICE : Science for the Protection of Indonesian Coastal Ecosystems. Project coordinated by ZMT, €4.5m (Leader of the cluster 'Coral Reef-Based Ecosystems and Resources')**
- 2008-2009 **Ministère fédéral allemand de l'Éducation et de la Recherche (BMBF). LANCET : Land-Sea Interactions in Coastal Ecosystems of Tropical China. Project coordinated by ZMT, €1.0m (Leader of the subproject 1 'Current Status and Regulatory Functions of Hainan Coral Reefs')**
- 2006-2008 **Netherlands Organisation for Scientific Research WOTRO. East Kalimantan Program : Coral condition, coral disease and algal/coral overgrowth in the Berau coral reef system.** (€300k, postdoc)
- 2004-2006 **NOAA. Recruitment of *Montastraea annularis* (species complex): Factors that affect post-settlement survivorship.** (€100k, collaborator)
- 2002-2004 **Marie-Curie postdoctoral grant EVK3-CT-2001-50007 Structure of coral-algal overgrowth hierarchies : ecological strategies and anthropogenic impacts** (€250k)

TEACHING

- 2017 **Course coordinator** Master 2 EPHE « *Biodiversité, Écologie et Conservation des organismes coralliens* »
- 2017 **Course coordinator** Master 2 EPHE « *Écologie chimique marine* » (in collaboration with Master UPVD, UPVD coordinator: Nataly Tapissier-Bontemps)
- 2017 **Lecturer** in PSL course « *Récifs coralliens* »
- 2017 **Lecturer** in PSL PhD course « *Les récifs coralliens : Biodiversité, Biologie, Ecologie, Savoirs ancestraux et Gestion* »
- 2013 **Lecturer** in Master EIO University of French Polynesia UE 2.2 « *Biodiversité, Biologie, Ecologie et conservation des organismes coralliens* »
- 2011-2016 **Lecturer** in Master EPHE « *Structure et fonctionnement des écosystèmes coralliens* » et « *Écologie marine* »
- 2009 **Course coordinator** Master ZMT/Bogor Agricultural University « *Coral reef biology and conservation* », DKP/IPB Coastal and Marine Management Sandwich Program

- 2008 **Lecturer** in Master ZMT/Hasanuddin University « *Coral reef ecology* »
- 2008 **Course co-coordinator** Master 020BS University of Amsterdam « *Tropical marine biology* »
- 2006 **Course co-coordinator** Licence et Master University of North Carolina Wilmington BIO 485&585 « *Coral reef ecology* »
- 2005 **Lecturer** in Licence et Master University of North Carolina Wilmington BIO 585&480 « *Research methods in coral reefs and adjacent ecosystems* »
- 2002-2004 **Lecturer** in Master University of Amsterdam « *Coral reef ecosystems* »
- 2001 **Lecturer** in Licence University of York « *Coastal zone management* »

STUDENT SUPERVISION

Main supervisor of 1 postdoc, 4 PhD thesis (1 ongoing) and 6 MSc thesis. Co-supervisor of 2 PhD thesis (1 ongoing) and 11 Master thesis.

Postdoctoral scholars

- 2016-2017 Joost den Haan, EPHE, France. *Iron limitation in benthic algae and global disparity in coral reef resilience*. Postdoctoral grant LabEx CORAIL. Research funding Chaire d'Excellence CNRS (main supervisor)

PhD students

- 2017-pres Hendrikje Jorissen, EPHE, France. *Comprendre l'interaction algues corallines –coraux*. PhD grant LabEx CORAIL. Research funding: ALGECO (main supervisor)
- 2016-pres Hugo Jacob, EPHE, France. *How fishes regulate the coral-algal competition in the context of global and local anthropogenic stressors?* PhD grant EPHE (co-supervisor)
- 2013-2017 Amanda Ford, University of Bremen, Germany. *Resilience of benthic coral reef communities in Melanesia, South Pacific*. PhD grant and research funding: REPICORE (co-supervisor)
- 2010-2015 Gaëlle Quéré, University of Bremen, Germany. *Ecology and driving factors of disease affecting crustose coralline algae and their effects on reef recovery processes*. PhD grant and research funding: FORCE (main supervisor)
- 2010-2014 Hannah Brocke, University of Bremen, Germany. *Impacts of benthic cyanobacterial mats on coral reef ecosystems*. PhD grant and research funding: FORCE (main supervisor)
- 2009-2012 Alexander Wolf, University of Bremen, Germany. *The role of macroalgae and the corallivorous fireworm *Hermodice carunculata* on coral reef resilience in the Caribbean*. PhD grant and research funding: ZMT (main supervisor)

MSc students

- 2016-2017 Mona Angskog, Master ISATEC, University of Bremen, Germany. *Detecting nutrient limitation in benthic algae using hyperspectral imaging*
- 2016-2017 Hannah Earp, Master ISATEC, University of Bremen, Germany. *The nutrient limitation status of benthic reef macroalgae (*Phaeophyceae*) in Moorea, French Polynesia*
- 2016 Virgine Marqués, Master 1 EPHE, France. *Characterization of the coralline algae-coral interaction: implications for coral larvae settlement*
- 2013-2015 Hendrikje Jorissen, MSc, Wageningen University, The Netherlands. *Physical and chemical microenvironments in coral-algal interactions*

- 2012-2013 Henry Göhlich, MSc, University of Rostock, Germany. *Comparison of phosphate uptake by different benthic coral reef communities*
- 2011-2013 Carla Sandermann, MSc, University of Oldenburg, Germany. *Primary production of benthic coral reef organisms along a depth gradient*
- 2011-2013 Johannes Schicker, MSc, University of Würzburg, Germany. *Effects of the brown alga *Lobophora variegata* on the growth and survival of juvenile Caribbean corals*
- 2010-2012 Janine Jachtner, Master ISATEC, University of Bremen, Germany. *Effects of grazer exclusion and nutrient enrichment on primary algal succession and coral settlement success*
- 2010-2011 Bastian Piltz, MSc, Institut Max-Planck Bremen, Germany. *Diversity of benthic cyanobacteria on coral reefs in Curaçao*
- 2009-2010 Daniel Wangpraseurt, Master ISATEC, University of Bremen, Germany. *The in situ microenvironment of corals and benthic algae: Assessing coral-algal interactions on a micro-scale*
- 2008-2009 Svenja Beilfuss, Master ISATEC, University of Bremen, Germany. *Feeding impact of herbivorous fishes on the brown alga *Lobophora variegata*: a species-specific approach along a depth gradient*
- 2008-2009 Bart de Vries, MSc, University of Amsterdam, The Netherlands. *Effects of sea urchin grazing on coral settlement and post-settlement survivorship*
- 2008-2009 Sander de Groot, MSc, University of Amsterdam, The Netherlands. *Relationship between the abundance of *Diadema antillarum* and juvenile corals on coral reefs in Curaçao*
- 2003-2004 Maria Ines Seabra, MSc, University of Amsterdam, The Netherlands. *Interactions between scleractinian corals and benthic algae in Curaçao, Netherlands Antilles*
- 2003-2004 Ruben van Hooidonk, MSc, University of Amsterdam, The Netherlands. *Competition between corals and macroalgae: do size and species matter?*
- 2002-2003 Hannelore Waska, MSc, University of Amsterdam, The Netherlands. *Coral-algal interactions and their forcing factors on the south coast of Curaçao, Netherlands Antilles*
- 2002-2003 Matthjis van der Geest, MSc, University of Amsterdam, The Netherlands. *How is coral overgrowth by macroalgae structured in coral reefs of Curaçao?*

BSc students

- 2011 Nicole Herz, University of Bremen, Germany. *Benthic Cyanobacteria in the Caribbean, a new challenge for coral reefs*
- 2005 Tyler Cyronak, University of North Carolina Wilmington, USA. *Infaunal communities of *Halimeda opuntia* on coral reefs of the Caribbean Island of Curaçao*
- 2005 Matthew Williams, University of North Carolina Wilmington, USA. *Association between coral disease and contact with macroalgae*

Research assistants/trainees

- 2017 Chérine Baumgartner, Sonora Meiling
- 2016 Sydney Dillon, Marina Schiller
- 2015-2016 Pauline Mittlerwallner, Christopher Nowak, Ramona Brunner
- 2013-2014 Christina Skinner
- 2012 Rachele Longhitano, Shira de Koning

- 2011 Michael Doane, Rachele Longhitano, Eric Johnson, Nanne Van Hoytema, Jon Chamberlain, Kim Vane
- 2010 Christine Stolberg, Philipp Kutter

ORGANISATION OF WORKSHOPS & CONFERENCES

- 2016 Leg Tara in French Polynesia « *Exploring the interaction between corals and crustose coralline algae* », Tara Pacific Expedition (October 6-20) (co-coordinator)
- 2016 Mini-symposium « *Global Change impacts on Coral Reef Seaweeds* », 13th International Coral Reef Symposium, Hawaii, USA (June 19-24) (co-organisator)
- 2016 Chercheuriales USR3278, Perpignan, France (January 6) (co-organisator)
- 2013 Chercheuriales USR3278, Perpignan, France (June 20) (co-organisator)
- 2012 Workshop international « *Physiologie et reproduction du corail* », Aquarium de la Porte Dorée, Paris, France (December 13-15) (co-organisator)

PEER REVIEW

- Manuscripts *Botanica Marina, Coral Reefs, Disease of Aquatic Organisms, Ecology Letters, Environmental Conservation, Limnology & Oceanography, Marine Biology, Marine Biodiversity, Marine Ecology Progress Series, Marine Environmental Research, Marine & Freshwater Research, Marine Pollution Bulletin, Oikos, PLoS ONE, Restoration Ecology, Royal Society Open Science, Scientific Reports, Terre et Vie*
- Grants *LabEx Corail, King Abdullah University of Science and Technology, National Science Foundation, NOAA Undersea Research Program, Fonds de Recherche Scientifique pour la Flandre*

OTHER RESPONSABILITIES

- Member of the Scientific Council of the EPHE (2014-present)
- Jury member of the Masters of the EPHE (2013- 2014)
- Member of the Teaching Committee of the EPHE section SVT (2012-2014)
- PhD thesis examiner: Jessica Haapkyla (2012), Chiara Pisapia (2015), Christopher Vieira (2015)
- Member of Bremen International Graduate School for Marine Sciences (GLOMAR) (2010-present)
- Member of the Editorial Board of the journal *Coral Reefs* (2010-present)
- Member of the Association of Marine Laboratories of the Caribbean (AMLC) (2005-2008)
- Member of the International Society for Reef Studies (ISRS) (2001-present)

LANGUAGES

French (native tongue), English (fluent), German (fluent)

OTHER QUALIFICATIONS

- Professional scientific diver CAH Classe 1B, Nitrox Diver (NAUD), Dive certification CMAS***
- > 2000 logged dives
- Boat licence (North Carolina Wildlife Resources Commission)
- CPR/First Aid (American Heart Association)

PUBLICATION LIST

Peer-reviewed journal articles

1. Ford AK, Eich A, McAndrews R, Mangubhai S, **Nugues MM**, Bejarano S, Moore BR, Rico C, Wild C and SFC Ferse (in press) Evaluation of coral reef management effectiveness using conventional versus newly developed monitoring metrics. *Ecological Indicators*.
2. Meistertzheim A-L, **Nugues MM**, Quéré G, Galand PE (2017) Pathobiomes differ between two diseases affecting reef building coralline algae. *Frontiers in Microbiology* 8: 1686.
3. de Bakker DM, van Duyl FC, Bak RPM, **Nugues MM**, Nieuwland G, Meesters EH (2017) 40 Years of benthic community change on the Caribbean reefs of Curaçao and Bonaire: the rise of slimy cyanobacterial mats. *Coral Reefs* 36: 355-367.
4. Jorissen H, Skinner C, Osinga R, de Beer D, **Nugues MM** (2016) Evidence for water-mediated mechanisms in coral–algal interactions. *Proceedings of the Royal Society of London B* 283: 20161137.
5. Bégin C, Schelten CK, **Nugues MM**, Hawkins J, Roberts C, Côté IM (2016) Effects of protection and sediment stress on coral reefs in Saint Lucia. *Plos One* 11(2): e0146855.
6. Quéré G, **Nugues MM** (2015) Coralline algae disease reduces survival and settlement success of coral planulae in laboratory experiments. *Coral Reefs* 34: 863-870.
7. Quéré G, Meistertzheim A, Steneck RS, **Nugues MM** (2015) Histopathology of crustose coralline algae affected by white band and white patch diseases. *PeerJ* 3: e1034.
8. Brocke HJ, Polerecky L, de Beer D, Weber M, Claudet J, **Nugues MM** (2015) Organic matter degradation drives benthic cyanobacterial mat abundance on Caribbean coral reefs. *Plos One* 10: e0125445.
9. Brocke HJ, Wenzhoefer F, de Beer D, Mueller B, van Duyl FC, **Nugues MM** (2015) High dissolved organic carbon release by benthic cyanobacterial mats in a Caribbean reef ecosystem. *Scientific Reports* 5: 8852.
10. Quéré G, Steneck RS, **Nugues MM** (2015) Spatiotemporal and species-specific patterns of diseases affecting crustose coralline algae in Curaçao. *Coral Reefs* 34: 259-273.
11. Wolf AT, **Nugues MM**, Wild C (2014) Distribution, food preference and trophic position of the corallivorous fireworm *Hermodice carunculata* in a Caribbean coral reef. *Coral Reefs* 33: 1153-1163.
12. Fricke A, Teichberg M, **Nugues MM**, Beilfuss S, Bischof K (2014) Effects of depth and ultraviolet radiation on coral reef turf algae. *Journal of Experimental Marine Biology and Ecology* 461: 73-84.
13. Roff G, Bejarano S, Bozec Y-M, **Nugues M**, Steneck RS, Mumby PJ (2014) *Porites* and the Phoenix effect: unprecedented recovery after a mass coral bleaching event at Rangiroa Atoll, French Polynesia. *Marine Biology* 161: 1385-1393.
14. Wolf AT, **Nugues MM** (2013) Synergistic effects of algal overgrowth and corallivory on Caribbean reef-building corals. *Ecology* 94: 1667–1674.
15. Ferse SCA, **Nugues MM**, Romatzki SBC, Kunzmann A (2013) Examining the use of mass transplantation of brooding and spawning corals to support natural coral recruitment in Sulawesi/Indonesia. *Restoration Ecology* 21: 745-754.
16. Sweet MJ, Bythell JC, **Nugues MM** (2013) Algae as reservoirs for coral pathogens. *Plos One* 8: e69717.
17. Ahrens J, Borda E, Barroso R, Paiva P, Campbell A, Wolf AT, **Nugues MM**, Rouse G, Schulze A (2013) The curious case of *Hermodice carunculata* (Annelida: Amphinomididae): evidence for genetic homogeneity throughout the Atlantic Ocean and adjacent basins. *Molecular Ecology* 22: 2280–2291.

18. Fricke A, Titlyanova TV, **Nugues MM**, Bischof K (2013) *Neosiphonia howei* (Ceramiales, Rhodomelaceae) – a common epiphyte of the spreading coral reef alga *Lobophora variegata* (Dictyotales, Dictyotaceae). *Marine Biodiversity Records* 6: e3.
19. Wolf AT, **Nugues MM** (2013) Predation on coral settlers by the corallivorous fireworm *Hermodice carunculata*. *Coral Reefs* 32: 227–231.
20. Meesters EH, Müller B, **Nugues MM** (2013) Caribbean free-living corals co-occurring in the same habitat off the windward coast of Curaçao. *Coral Reefs* 32: 109.
21. Wangpraseurt D, Weber M, Røy H, Polerecky L, Suharsono, de Beer D, **Nugues MM** (2012) In Situ Oxygen Dynamics in Coral-Algal Interactions. *Plos One* 7(2): e31192.
22. Fricke A, Titlyanova, TV, **Nugues MM**, Bischof K (2011) Depth-related variation in epiphytic communities growing on the brown alga *Lobophora variegata* in a Caribbean coral reef. *Coral Reefs* 30: 967–973.
23. Nagelkerken I, van der Velde G, Wartenbergh SLJ, **Nugues MM**, Pratchett MS (2009) Cryptic dietary components reduce dietary overlap among sympatric butterflyfishes (Chaetodontidae). *Journal of Fish Biology* 75: 1123–1143.
24. **Nugues MM**, Bak RPM (2009) Brown band syndrome on feeding scars of the crown-of-thorn starfish *Acanthaster planci*. *Coral Reefs* 28: 507–510.
25. **Nugues MM**, Bak RPM (2008) Long-term dynamics of the brown macroalga *Lobophora variegata* on deep reefs in Curaçao. *Coral Reefs* 27: 389–393.
26. **Nugues MM**, Bak RPM (2007) Dark spot syndrome: recent or old? *Coral Reefs* 26: 359.
27. **Nugues MM**, Nagelkerken I (2006) Status of aspergillosis and sea fan populations in Curaçao ten years after the 1995 Caribbean epizootic. *Revista de Biología Tropical* 54 (Supplement 3): 153-160.
28. **Nugues MM**, Szmant AM (2006) Coral settlement onto *Halimeda opuntia*: a fatal attraction to an ephemeral substrate? *Coral Reefs* 25: 585–591.
29. **Nugues MM**, Bak RPM (2006) Differential competitive abilities between Caribbean coral species and a brown alga: a year of experiments and a long term perspective. *Marine Ecology Progress Series* 315: 75-86.
30. Hawkins JP, Roberts CM, Dytham C, Schelten, CK, **Nugues MM** (2006) Effects of habitat quality and sediment pollution on performance of marine reserves in St. Lucia. *Biological Conservation* 127: 487-499.
31. **Nugues MM**, Smith GW, van Hoodonk RJ, Seabra MI, Bak RPM (2004) Algal contact as a trigger for coral disease. *Ecology Letters* 7: 919-923.
32. **Nugues MM**, Delvoye L, Bak RPM (2004) Coral defense against macroalgae: differential effects of mesenterial filaments on the green alga *Halimeda opuntia*. *Marine Ecology Progress Series* 278: 103-114.
33. **Nugues MM**, Roberts CM (2003) Coral mortality and competition with algae in relation to sedimentation. *Coral Reefs* 22: 507-516.
34. **Nugues MM**, Roberts CM (2003) Partial mortality in massive reef corals as an indicator of sediment stress on coral reefs. *Marine Pollution Bulletin* 46: 314-323.
35. **Nugues MM** (2002) Impact of a coral disease outbreak on coral communities in St. Lucia: What and how much has been lost? *Marine Ecology Progress Series* 229: 61-71.
36. **Nugues MM**, Kaiser MJ, Spencer BE, Edwards DB (1996) Benthic community changes associated with intertidal oyster cultivation. *Aquaculture Research* 27: 913-924.

37. McClanahan TR, **Nugues M**, Mwachireya S (1994) Fish and sea urchin herbivory and competition in Kenyan coral reef lagoons: the role of reef management. *Journal of Experimental Marine Biology and Ecology* 184: 237-254.

Conference proceedings

1. Wolf AT, Wild C, **Nugues MM** (2012) Contact with macroalgae causes variable coral mortality in *Montastraea faveolata*. *Proc. 12th International Coral Reef Symposium*, Cairns, Australie. 11C-1

Books

1. Mumby PJ, Flower J, Cholett I, Box SJ, Bozec YM, Fitzsimmons C, Forster J, Gill D, Griffith-Mumby R, Oxenford HA, Peterson AM, Stead SM, Turner RA, Townsley P, van Beukering PJH, Booker F, Brocke HJ, Cabañillas-Terán N, Canty SWJ, Carricart-Ganivet JP, Chralery J, Dryden C, van Duyl FC, Enríquez S, den Haan J, Iglesias-Prieto R, Kennedy EV, Mahon R, Mueller B, Newman SP, **Nugues MM**, Cortés Múñez J, Nurse L, Osinga R, Paris CB, Petersen D, Polunin, NVC, Sánchez C, Schep S, Steven JR, Vallès H, Vermeij MJA, Visser PM, Whittingham E, Williams SM (2014) Towards reef resilience and sustainable livelihoods. A handbook for Caribbean coral reef managers. University of Exeter, Exeter, 172p. ISBN 978-0-902746-31-2.
2. Bosserelle P, Berteaux-Lecellier V, Chancerelle Y, Hédouin L, **Nugues M**, Wallace C & Pichon M (2014) Guide d'identification des coraux de Moorea. CRIOBE. 120 pages. ISBN: 978-2-9547466-0-9.

Book chapters

1. Jackson JBC, Donovan MK, Cramer KL, Lam VYY, Bak RPM, Cholett I, Connolly SR, Cortés J, Dustan P, Eakin CM, Friedlander AM, Greenstein BJ, Heron SF, Hughes T, Miller J, Mumby P, Pandolfi JM, Rogers CS, Steneck R, Weil E, Alemu JB, Alevizon WS, Arias-González JE, Atkinson A, Ballantine DL, Bastidas C, Bouchon C, Bouchon-Navaro Y, Box S, Brathwaite A, Bruno JF, Caldow C, Carpenter RC, Charpentier BH, Causez B, Chiappone M, Claro R, Cróquer A, Debrot AO, Edmunds P, Fenner D, Fonseca A, Ford MC, Forman K, Forrester GE, Garza-Perez JR, Gayle PMH, Grimsditch GD, Guzmán HM, Harborne AR, Hardt MJ, Hixon M, Idjadi J, Jap W, Jeffrey CFG, Johnson AE, Jordán-Dahlgren E, Koltés K, Lang JC, Loya Y, Majil I, Manfrino C, Maréchal JP, McCoy CMR, McField MD, Murdoch T, Nagelkerken I, Nemeth R, **Nugues MM**, Oxenford HA, Paredes G, Pitt JM, Polunin NVC, Portillo P, Reyes HB, Rodríguez-Martínez A, Ruttenberg BI, Ruzicka R, Sandin S, Shulman MJ, Smith SR, Smith TB, Sommer B, Stallings C, Torres RE, Tunnel JW, Vermeij MJA, Williams ID, Witman JD (2014) Overview and synthesis for the wider Caribbean region. Part I in: Jackson JBC, Donovan MK, Cramer KL, Lam VV (Eds.) Status and Trends of Caribbean Coral Reefs: 1970-2012. Global Coral Reef Monitoring Network, IUCN, Gland, Switzerland, pp. 55-157.
2. **Nugues MM**, Ferse SCA (2011) Measures to protect coral reefs - Maßnahmen zum Schutz von Korallenriffen. Chapter 5.4 in: Lozán JL, Graßl H, Karbe L, Reise K (Eds.) Warnsignal Klima: Die Meere - Änderungen und Risiken. Wissenschaftliche Auswertungen, Hamburg, Germany, pp. 330-336.

Oral presentations at international conference

1. van Bleijswijk J, van Duyl F, Wuchter C, Witte H, **Nugues M**, Coolen M, Bak R (2017) Persistent change of microbial community in massive porites released from contact stress by the macroalga *Halimeda macrophysa*. *7th Congress of European Microbiologists*, Valencia, Spain (July 9-13).
2. **Nugues MM**, Jorissen H, Skinner C, de Beer D, Osinga R (2016) Contrasting effects of benthic algae on the coral microenvironment. *13th International Coral Reef Symposium*, Honolulu, Hawaii (June 19-24).
3. Quéré G, **Nugues MM** (2016) Coralline algae disease reduces survival and settlement success of coral planulae in laboratory experiments. *13th International Coral Reef Symposium*, Honolulu, Hawaii (June 19-24).

4. Eich A, Ford AK, **Nugues MM**, Wild C, McAndrews R, Ferse S (2016) Coral-algal competition indicates a negative impact of land runoff from rural communities on coral reefs in Fiji. *13th International Coral Reef Symposium*, Honolulu, Hawaii (June 19-24).
5. De Bakker D, van Duyl FC, **Nugues MM**, Bak RPM, Nieuwland G, Meesters EH (2016) 40 years of benthic community change at the fore-reef slope (10 – 40 m) of the Caribbean reefs in Curaçao and Bonaire: The rise of cyanobacterial mats. *13th International Coral Reef Symposium*, Honolulu, Hawaii (June 19-24).
6. Brocke HJ, Polerecky L, de Beer D, Weber M, Claudet J, **Nugues MM** (2015) Organic matter degradation drives benthic cyanobacterial mat abundance on coral reefs. *ALSO Meeting*, Granada, Spain (February 22-27)
7. Brocke HB, de Beer D, **Nugues MM** (2013) Impact of benthic cyanobacterial mats on coral reefs, Curaçao. *Bremen PhD Days*, Glomar. Bremen, Germany (April 22-23).
8. Wolf AT, **Nugues MM**, Wild C (2012). The ecological role of the corallivorous fireworm *Hermodice carunculata* on coral reef resilience. *Young Reef Scientists Meeting*, Berlin, Germany (October 6)
9. Brocke HJ, Polerecky L, de Beer D, Piltz B, Herz N, **Nugues MM** (2012) Ecology of benthic cyanobacterial mats on coral reefs. *YOUMARES Conference*, Lübeck, Germany (September 12-14)
10. **Nugues MM**, Schicker J (2012) Contrasting competitiveness of Caribbean coral juveniles against a brown alga. *12th International Coral Reef Symposium*, Cairns, Australia (July 9-13).
11. Quéré G, Steneck RS, **Nugues MM** (2012) Diseases affecting crustose coralline algae in Curaçao. *12th International Coral Reef Symposium*, Cairns, Australia (July 9-13).
12. Brocke H, Polerecky L, de Beer D, Piltz B, Herz N, **Nugues MM** (2012) Environmental drivers and effects of benthic cyanobacterial mats. *12th International Coral Reef Symposium*, Cairns, Australia (July 9-13).
13. Wolf AT, **Nugues MM** (2012) Contact with seaweeds enhances corallivory on scleractinian corals. *12th International Coral Reef Symposium*, Cairns, Australia (July 9-13).
14. Wolf AT, **Nugues MM** (2011) Ecological impact of the corallivorous fireworm *H. carunculata* on scleractinian corals. *YOUMARES Conference*, Bremerhaven, Germany (September 7-9).
15. Wolf AT, **Nugues MM**, Wild C (2011) The role of corallivores in Caribbean coral reefs. *PhD Meeting Coral Reef Ecology*, Senckenberg Museum, Frankfurt, Germany (August 19).
16. Wangpraseurt D, Polerecky L, Weber M, de Beer D, **Nugues MM** (2010) In situ characterisation of oxygen microenvironments in coral-algal interactions. *Euro ISRS Symposium*, Wageningen, The Netherlands (December 13-17).
17. **Nugues MM**, Jachtner JK (2010) Effects of grazer exclusion and nutrient enrichment on primary algal succession and settlement potential of the benthos for corals. *Euro ISRS Symposium*, Wageningen, The Netherlands (December 13-17).
18. Teichberg M, Fox SE, Valiela I, Fricke A, Beilfuss S, **Nugues MM**, Bischof K (2009) Macroalgal blooms in temperate and tropical coastal waters: Nutrient enrichment, grazing, and ecophysiological field experiments. *Coastal Estuarine Research Federation Meeting*, Portland, USA (November 5).
19. **Nugues MM**, Szmant AM (2008) Influence of benthic communities on the settlement and post-settlement survival of two reef corals in the Florida Keys. *11th International Coral Reef Symposium*, Fort Lauderdale, USA (July 7-11).
20. **Nugues MM**, Nieuwland G, Suharsono, Bak RPM. (2007) Coral diseases and *Acanthaster* predation in tabular acroporids of the East Kalimantan coast. *Dutch Coral Reef Symposium*, Amsterdam, the Netherlands (December 17).

21. Bak RPM, Nieuwland G, **Nugues MM** (2007) Variation in corals and coral reefs: what is relevant for reef aquarists and coral husbandry? *1st International Symposium of Coral Husbandry in Public Aquaria*, Arnhem, the Netherlands (April 16-21).
22. Bak RPM, Nieuwland G, **Nugues MM** (2006) Variation in vitality components from coast to ocean throughout coral reef systems: the example of East Kalimantan. *International Society for Reef Studies (ISRS) European Meeting*, Bremen, Germany (September 19-22).
23. **Nugues MM**, Nagelkerken I, Vermonden K, Moraes OCC (2005) Spatial and temporal variations in the prevalence of coral diseases in the Caribbean island of Curaçao. *32nd Scientific Meeting of the Association of Marine Laboratories of the Caribbean*, Willemstad, Curaçao (June 13-15).
24. **Nugues MM**, Smith GW, Bak RPM (2004) Algal overgrowth, coral disease and phase shifts on coral reefs: Are they linked? *10th International Coral Reef Symposium*, Okinawa, Japan (June 28-July 3).
25. Seabra MI, **Nugues MM**, van Hooijdonk RJ, Bak RPM (2003) Dynamics behind coral-algal interactions on a Caribbean reef. *38th European Marine Biology Symposium*, Aveiro, Portugal (September 8-12).
26. **Nugues MM**, van der Geest M, Waska H, Bak RPM (2002) Do competitive hierarchies exist in coral-algal interactions? *International Society for Reef Studies (ISRS) European Meeting*, Cambridge, UK (September 4-7).
27. **Nugues MM**, Roberts CM, Hawkins JP (2000) Effects of sedimentation and herbivory on macroalgal abundance and competition with corals on a Caribbean coral reef. *9th International Coral Reef Symposium*, Bali, Indonesia (October 23-27).
28. **Nugues MM** (2000) Partial mortality in massive reef corals as an indicator of sediment stress on coral reefs. *Student conference on Conservation Science*, Cambridge, UK (March 29-31).
29. **Nugues MM** (1998) The impact of a white-band disease epizootic on coral communities in St. Lucia. *International Society for Reef Studies (ISRS) European Meeting*, Perpignan, France (September 1-4).

Conference posters

1. den Haan J, Brocke HJ, Visser PM, **Nugues MM**, Huisman J, Vermeij MJA, Mueller B (2016) The contribution of different phototrophic organisms to the primary productivity of a Caribbean coral reef community. *13th International Coral Reef Symposium*, Honolulu, Hawaii (June 19-24).
2. Fricke A, Titlyanova T, Yousif A, Teichberg M, **Nugues MM**, Wulff A, Bischof K (2012) Epiphytic algae – a hidden diversity spreading over coral reefs. *CERF*, Mar del Plata, Argentina (November 11-14).
3. Kutter P, Sardemann C, Brocke H, **Nugues MM**, Vermeij M, Visser P, den Haan J (2012) Differences in primary production of benthic groups on coral reefs. *YOUMARES Conference*, Lübeck, Germany (September 12-14). 3rd Poster award.
4. Goehlich H, Brocke H, **Nugues MM**, Karsten U, Vermeij M, Visser P, den Haan J (2012) Differences in phosphate uptake rates by benthic organisms on Curaçao. *YOUMARES Conference*, Lübeck, Germany (September 12-14). 2nd Poster award.
5. Wolf AT, **Nugues MM** (2011) Contact with seaweeds enhances corallivory in the Caribbean. *YOUMARES Conference*, Bremerhaven, Germany (September 7-9). 2nd Poster award.
6. Piltz B, Brocke HJ, Adam B, Lavik G, **Nugues MM** (2011) Nitrogen fixation by cyanobacterial mats on a Caribbean reef. *1st International Symposium on Sponge Microbiology*, Würzburg, Germany (March 21-22).
7. Beilfuss S, **Nugues MM** (2010) Feeding impact of herbivorous fishes on the brown alga *Lobophora variegata*: a species-specific approach along a depth gradient. *Euro ISRS Symposium*, Wageningen, The Netherlands (December 13-17).

Workshops and invited scholarly talks

1. **Nugues MM** (2017) Exploring coral-algal interactions at the microscale. *Tara Pacific - University of the Ryukyus co-organised workshop "Tara Pacific in Okinawa"*, University of Ryukyus, Okinawa, Japan (April 17).
2. **Nugues MM, Bonnard I** (2017) Les algues corallines, un nouveau modèle pour l'étude de la structuration et du fonctionnement des récifs coralliens. *Journées de Restitution 2017 du PEPS ExoMod*, CNRS Campus Gérard-Mégie, Paris, France (February 28).
3. **Nugues MM** (2016) Changement climatique: est-il trop tard pour les coraux? *Conférence Grand Public des Amis du Laboratoire Arago*, Observatoire océanologique, Banyuls/mer, France (December 14).
4. **Nugues MM** (2016) Interactions coraux - algues dans l'écosystème corallien: processus, mécanismes, valorisation. *Invited Seminar UMR241 EIO*, Papeete, Tahiti (April 22).
5. **Nugues MM** (2012) Some insights into the ecology of coral recruitment. *International Consensus Statement Workshop on Coral Physiology and Reproduction*, Paris, France (December 13-15).
6. **Nugues MM** (2012) Récifs coralliens en crise: le rôle des algues benthiques. *Journée Scientifique de la Section des Sciences de la Vie et de la Terre*, Ecole Pratique des Hautes Etudes, Paris, France (December 4).
7. **Nugues MM** (2011) The role of benthic algae in the coral reef crisis. *Symposium Branching out in coral reef ecology*, Amsterdam, The Netherlands (December 7).
8. **Nugues MM** (2009) Life and death of coral reefs: the role of benthic algae. *3rd CORE Mini-Symposium on Ecological and Biogeochemical Coral Reef Research*, München, Germany (May 4).
9. **Nugues MM, Wuchter C, van Duyl FC, Nieuwland G, Suharsono, Bak RPM** (2009) Coral condition, coral disease and algal/coral overgrowth in the Berau coral reef system. *East Kalimantan Coastal Zone Research Programme Workshop*, Utrecht, The Netherlands (March 18).
10. **Nugues MM** (2008) Processes of decline and recovery on coral reefs. *1st Sino-German Workshop Land Sea Interactions along Hainan Coastal Marine Systems*, Wenchang, Hainan, China (July 31).
11. **Nugues MM** (2008) Life and death of coral reefs: the role of macroalgae. *Invited talk, Leibniz Center for Tropical Marine Ecology*, Bremen, Germany (January 15).
12. **Nugues MM** (2005) Macroalgae: causes or consequences of coral reef decline? *Department of Biology and Marine Biology Seminar Series*, University of North Carolina Wilmington, USA (December 2).
13. **Nugues MM, Bak RPM** (2004) Macroalgae on coral reefs: are they a major cause of coral reef decline? *Colloquium, Royal NIOZ*, Texel, the Netherlands (April 29).
14. **Nugues MM, Bak RPM** (2004) Climate and human links to coral disease. *Institute for Biodiversity and Ecosystem Dynamics Scientific Day*, Amsterdam, The Netherlands (March 17).

Theses and reports

- Nugues MM, Bak RPM** (2004) Corals: victims of algal overgrowth, but can they fight back? *Annual Report 2004 Royal NIOZ*, pp. 71-72.
- Roberts CM, Barker NLH, Clarke AJ, Gell FRG, Hawkins JP, **Nugues MM**, Schelten CK (2003) Impact and amelioration of sediment pollution on coral reefs of St. Lucia, West Indies. DFID NRSP Project R7668. *Report University of York*, UK.
- Schelten CK, Roberts CM, Hawkins JP, **Nugues MM** (2003) The effects of sedimentation on coral larval settlement. DFID NRSP Project R7668. *Report University of York*, UK.
- Schelten CK, Roberts CM, Hawkins JP, **Nugues MM** (2003) Impacts of sedimentation on juvenile coral settlement, mortality and growth. DFID NRSP Project R7668. *Report University of York*, UK.

- Schelten CK, Roberts CM, **Nugues MM**, Hawkins JP (2002) The interacting effects of sedimentation, fishing and hurricanes on coral reefs: a long-term study in St. Lucia, West Indies. DFID NRSP Project R7668. **Report University of York, UK.**
- Schelten CK, Roberts CM, Wabnitz CCC, **Nugues MM**, Hawkins JP (2002) The effects of human-induced sedimentation on juvenile coral assemblages. DFID NRSP Project R7668. **Report University of York, UK.**
- Nugues MM** (2000) Effects of multiple stresses on coral reef communities. **PhD thesis**, University of York, Environment Department, 248 pages.
- Nugues MM**, Schelten CK, Roberts CM (1999) Don't bury our beloved coral reefs. **Your SMMA Connection** 2:5.
- Nugues MM** (1998) The impact of a white-band disease epizootic on coral communities in St. Lucia: what and how much has been lost? **Report University of York, UK.**
- Roberts CM, **Nugues MM**, Hawkins JP (1997) Report on the 1997 survey of coral reefs of the Soufrière Marine Management Area and Anse La Raye, St. Lucia. **Report University of York, UK.**
- Roberts CM, **Nugues MM**, Hawkins JP (1996) Interim report on the 1996 survey of reef fish and coral communities of the Soufrière Marine Management Area, St. Lucia. **Report University of York, UK.**
- Nugues MM** (1995) Ecological effects of Pacific oyster intertidal cultivation on infaunal communities. **MSc thesis**, University of Stirling, Institute of Aquaculture, 50 pages