

Short biography - Vianney DENIS, Ph.D.

Last update: 2026/5/22

Vianney Denis is an Associate Professor at the Institute of Oceanography, National Taiwan University, where he leads the Functional Reef Ecology Lab. His research focuses on coral reef ecology, with a particular interest in how coral ecosystems respond to environmental change across organismal, population, community, and ecosystem scales. His work combines field monitoring, ecological experiments, and trait-based approaches to identify the drivers of reef composition and characterize the ecological processes that govern coral ecosystem functioning. Through this integrative approach, he aims to improve our mechanistic understanding of coral ecosystem responses to global and local stressors and to support more effective conservation and management strategies.



[0000-0002-0914-5586](https://orcid.org/0000-0002-0914-5586)



[E-6868-2013](https://publons.com/author/522215/Vianney-Denis/)



[522215](https://loop.io/522215)



[Vianney Denis](https://scholar.google.com/citations?user=Vianney-Denis/)

Professional Experience & Education

Aug 2021 – Present Associate Professor – Institute of Oceanography, National Taiwan University, TW
Aug 2015 – Jul 2021 Assistant Professor – Institute of Oceanography, National Taiwan University, TW
Apr 2011 – Jul 2015 Post-doctoral Researcher – Biodiversity Research Center, Academia Sinica, TW
Sep 2006 – Dec 2010 Ph.D Marine Biology – Department of Biology, University of Réunion Island, FR
Sep 2004 – Jun 2005 M.Sc. Biological Oceanology & Marine Environment, 2nd yr – University Paris VI, FR
Sep 2003 – Jun 2004 M.Sc. Biology Populations & Ecosystems, 1st yr – University Lille I, FR
Sep 2002 – Jun 2003 B.Sc. Organisms & Populations Biology, 1st yr – University Lille I, FR

Research Funding - past 5 yrs funding |total individual part (): 35,275 kNT\$ ~ 1,143 k US\$

Project Lead | 2025/26: National Science & Technology Council, TW (2,035 kNT\$ ~ 67 k US\$) | 2022/25: National Science & Technology Council, TW (5,632 kNT\$ ~ 183 k US\$) | 2020/21: National Science & Technology Council, TW (1,685 kNT\$ ~ 55 k US\$) | 2021/22: Taiwan Power Company, TW, 16,500k NT\$ ~ 533k US\$ (14,850k NT\$ ~ 482k US\$) || **Collaborative Projects** | 2021/22: Ocean Conservation Administration TW, 17,594k NT\$ ~ 571k US\$ (3,585k NT\$ ~ 116k US\$) | 2022/24: National Science & Technology Council, TW & Royal Society, UK, 862k NT\$ ~ 28k US\$ (376k NT\$ ~ 12k US\$) | 2022: Ocean Conservation Administration TW, 12,870k NT\$ ~ 417k US\$ (2,606k NT\$ ~ 85k US\$) | 2021: Ocean Conservation Administration TW, 16,600k NT\$ ~ 538k US\$ (2,855k NT\$ ~ 92k US\$) || **Research grants** | Academic Career Development Program, National Taiwan University, TW: 2025 (313k NT\$ ~ 10k US\$), 2024 (226k NT\$ ~ 7k US\$), 2024 (314k NT\$ ~ 10k US\$), 2023 (227k NT\$ ~ 7k US\$), 2023 (314k NT\$ ~ 10k US\$), 2022 (227k NT\$ ~ 7k US\$)

Research Areas

Marine Ecology, Climate Change, Coral Reefs, Community Ecology, Physiological Ecology, Functional Ecology

Publications and presentations - total citations: 2,202, H-index: 27, i10-index: 48 (as of 2026, Mar 5th)

71 publications in SCI journals (**60%** as first, co-first and/or corresponding author), **6** in non SCI journals, **2** book chapters, **1** article in conference proceedings, **5** technical reports, **3** thesis dissertations, **2** others, > **80** conference abstracts & presentations, numerous local seminars and public talks.

Selected publications (past 5-yrs):

1. Liu CHE, Ribas-Deulofeu L, Wu MHM, Chang YJ, **Denis V*** (2025, Aug) Patterns of reef fish energy flow in a transitional zone. CORAL REEFS, 1-14. doi: 10.1007/s00338-025-02725-7 (SCI 2024 | IF: 2.9, 5-IF: 3.5 | Marine & Freshwater Biology: 16/119 | Citation: 0)
2. De Palmas S, Chen Q, Guerbet A, Hsieh YE, Hsu TH, Lin YV, Sturaro N, Wang PL, **Denis V*** (2025, Jan) Energy acquisition and allocation strategies in scleractinian corals: insights from intraspecific trait variability. CORAL REEFS 44:489-500. doi: 10.1007/s00338-025-02617-w (SCI 2024 | IF: 2.9, 5-IF: 3.5 | Marine & Freshwater Biology: 16/119 | Citation: 0)
3. **Denis V***, Ferrier-Pagès C*, Schubert N, Coppari M, Baker DM, Camp EF, Gori A, Grottoli AG, Houlbrèque F, Maier SR, Mancinelli G, Martinez S, Özdilek ŞY, Radice VZ, Ribes M, Richter C, Viladrich N, Rossi S (2024, Jun) Heterotrophy in marine animal forests in an era of climate change. BIOLOGICAL REVIEWS 99, 965-978. doi: 10.1111/brv.13053 (SCI | IF: 11.7, 5-IF: 14.4 | Biology: 2/107 | Citations: 12)
4. Lin YV, Château PA, Nozawa Y, Wei CL, Wunderlich RF, **Denis V*** (2024, Jun) Drivers of coastal benthic

communities in a complex environmental setting. MARINE POLLUTION BULLETIN 203,116462. doi: 10.1016/j.marpolbul.2024.116462 (SCI | IF: 4.9, 5-IF: 5.6 | Environmental Sciences: 98/374, Marine & Freshwater: 3/119 | Citations: 10)

5. Sturaro N[‡], Hsieh YE[‡], Chen Q, Wang PL, **Denis V*** (2021, Dec) Trophic plasticity of mixotrophic corals under contrasting environments. FUNCTIONAL ECOLOGY 35(12), 2841-2855. doi: 10.1111/1365-2435.13924 (SCI | IF: 6.284, 5-IF: 6.609| Ecology: 24/173 | Citations: 47)

[‡]: co-first authorship, ^{*}: corresponding author. SCI: Science Citation Index, IF: Impact Factor, 5-IF: 5 years Impact Factor. IF & ranking at the year of publication, unless otherwise indicated. Scholar cites at the time of this CV. Bold names are/were FRE-Lab members.

Professional and Collective Services

Teaching (224 hrs annually); **Advisor**: Post-doctoral researcher (4), Ph.D. (2), M.Sc. (30), B.Sc. (8), Others (9); **Scientific advisory committee**: Labex (FR, 2020-2024); **Grant referee**: National Science & Technology Council, TW (2017-Present) | IFREMER, FR (2022, 2024) | Binational Science Foundation, US&IL (2022) | LabEx Corail, FR (2020-2024); **Journal Referee**: peer-review-to publication ratio 0.8:1 (>15 journals) | **Workshop and conference** co-organizer (2022, 2023)

Diving Qualifications

Professional scientific diver (CAH Classe 1B), NAUI Trimix Diver, NAUI Nitrox Diver, CMAS*** dive certification (>1000 dives), Boat License (coastal)

Memberships

Taiwan Coral Reef Association, International Coral Reef Society

Languages

French (native), English (fluent), Mandarin (beginner)

