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## Evolutionary ecology of sea turtles

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***Evolutionary Ecology of Sea Turtles***

door Jurjan P. van der Zee

1. Genetic monitoring at feeding grounds can provide important insights in metapopulation dynamics
2. Increased recruitment from recovering sea turtle populations highlights the merits of long-term conservation programs in an age characterized by the loss of biodiversity
3. Oceanography plays important roles in mediating marine dispersal, but disentangling the different factors that influence dispersal remains challenging
4. The ancestral origins of green turtles in the Atlantic and Southwest Indian Ocean date back to the relatively warm last interglacial period
5. Sea level fluctuations influenced the availability of shallow marine habitat and had a major impact on the evolution of tropical marine species
6. Advancing our understanding of the evolutionary history of tropical marine species requires an integrative approach that combines genetics, simulations, habitat modeling, biogeography and paleontology
7. Understanding contemporary genetic population structure requires an understanding of the evolutionary history of a species
8. “If I had my life to live over again, I would have made a rule to read some poetry and listen to some music at least once every week” (*Charles Darwin in the Autobiography of Charles Darwin, 1809 - 1882*)
9. “Life before death. Strength before weakness. Journey before destination” (*First Ideal of the Immortal Words of the Knights Radiant – in the Stormlight Archives by Brandon Sanderson*)