

Name	Dov Zviely
Nationality	Israeli
School	School of Marine Sciences
Position	Senior Lecturer
Office in administration	Head of Marine Resources Management M.A. Program
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Academic degrees

2006	<i>Ph.D. in Geography and Environmental Studies</i> , University of Haifa
2000	<i>M.A. in Geography (Coastal morphology)</i> , University of Haifa
1993	<i>B.A. in Geography (Earth sciences - oriented studies)</i> , University of Haifa

Research interests Coastal Morphology; Sedimentology; Morphodynamics; Paleogeography; History of Navigation along the Mediterranean Coast of Israel

Profile During the last 25 years, as an naval officer in the Israeli Navy Hydrographic Branch (1993-2009), a consultant for the Ministry of Environmental Protection (2006-2018), a Research Fellow in the Leon Recanati Institute for Maritime Studies (School of Marine Sciences, University of Haifa) (2006-Present), and a Senior Lecturer (School of Marine Sciences, Ruppin Academic Center) (2015-Present), I have been devoted especially to the study of coastal and shallow marine morphology along the Mediterranean coast of Israel, and most of my work has been focused on important environmental issues.

Supervision My projects are focused on coastal morphology and related geo-environmental issues and I currently supervise three Ph.D. and few more Master Degree students, in cooperation with faculty from leading Universities in Israel and abroad.

Consultancy During the years of 2006-2018, on behalf of the Israeli Ministry of Environmental Protection, I was involved referring dozens of the coastal and marine projects and monitoring plans carried out along the Mediterranean coast of Israel.

Publications The results of my interdisciplinary and comprehensive studies are published in more than 50 reviewed international and national scientific journals.

In addition, I prepared more than 100 scientific documents that include: opinion reports for environmental impact assessments, opinion reports dealing with environmental documents, and opinions reports for coastal and marine environment monitoring programs.

The reports cover the following fields of interest:

1. Morphological, sedimentological and hydrographic characteristics of the coasts of Israel.
2. Marine structures (ports, marinas, breakwaters, pipelines, etc.) impact on coastal morphology.
3. Impact on coastal and marine environment of brine spreading from desalination plants.
4. Coastal geology and paleogeography.

Most relevant Articles in International Refereed Journals

1. Klein, M., Zviely, D., 2001. The environmental impact of marina development on adjacent beaches: a case study of the Herzliya marina Israel. *Applied Geography* 21, 145-156.
2. Zviely, D., Klein, M., 2004. Coastal cliff retreat rates at Bait-Yannay, Israel, in the 20th century. *Earth Surface Processes and Landforms* 29(2), 175-184.
3. Zviely, D., Klein, M., 2003. The environmental impact of the Gaza coastal construction. *Journal of Coastal Research* 19 (4), 1122-1127.
4. Klein, M., Zviely, D., Kit, E., Shteinman, B., 2007. Experimental study of sediment transport along the central Mediterranean coast of Israel by means of fluorescent sand tracers. *Journal of Coastal Research* 23(6), 1462-1470.
5. Zviely, D., Sivan, D., Ecker, A., Bakler, N., Rohrlach, V., Galili, E., Boaretto, E., Klein, M., Kit E., 2006. The Holocene evolution of Haifa Bay area, Israel, and its influence on the ancient human settlements. *The Holocene* 16(6), 849-861.
6. Galili, E., Zviely, D., Ronen, A., Mienis, H.K., 2007. Beach deposits of MIS 5e high sea stand as indicators for tectonic stability of the Carmel coastal plain, Israel. *Quaternary Science Reviews* 26, 2544-2557.
7. Zviely, D., Kit, E., Klein, M., 2007. Longshore sand transport estimates along the Mediterranean coast of Israel in the Holocene. *Marine Geology* 237(1-4), 61-73.
8. Zviely, D., Kit, E., Rosen, B., Galili, E., Klein, M., 2009. Shoreline migrations and beach-nearshore sand balance over the last 200 years in Haifa Bay (SE Mediterranean). *Geo-Marine Letters* 29(2), 93-110.
9. Lichter, M., Zviely, D., Klein, M., 2010. Morphological patterns of southeastern Mediterranean river mouths: the topographic setting of the beach as a forcing factor. *Geomorphology* 123, 1-12.
10. Shtienberg, G., Zviely, D., Sivan, D., Lazar, M., 2014. Two centuries of coastal change at Caesarea, Israel natural processes vs. human intervention. *Geo-Marine Letters* 34(4), 365-379.
11. Zviely, D., Bitan, M., DiSegni, D.M., 2015. The effect of sea-level rise in the 21st century on marine structures along the Mediterranean coast of Israel: An evaluation of physical damage and adaptation cost. *Applied Geography* 57, 154-162.
12. Elyashiv, H., Bookman, R., Zviely, D., Sandler, A., Avnaim-Katav, S., Sivan, D., 2016. The interplay between relative sea-level rise and sediment supply at the distal part of the Nile littoral cell. *The Holocene* 26(2), 248-264.
13. Pasternak, G., Zviely, D., Ribic, C.A., Ariel, E., Spanier, E., 2017. Sources, composition and spatial distribution of marine debris along the Mediterranean coast of Israel. *Marine Pollution Bulletin* 114(2), 1036-1045.
14. Bitan, M., Zviely, D., 2018. Lost value assessment of bathing beaches due to sea level rise: a case study of the Mediterranean coast of Israel. *Journal of Coastal Conservation*. doi.org/10.1007/s11852-018-0660-7.