

## *List of Publications (W. Fennel)*

### **Books**

FENNEL, W. and T. NEUMANN 2004 "Introduction to the modeling of marine ecosystems", Elsevier Oceanographic Series 72, Amsterdam, 297 pp 927

FENNEL, W. and H. U. LASS 1989: "Analytical theory of forced oceanic waves", Akademie Verlag Berlin, 312 pp.

### **Contributions to books**

FENNEL, W., GILBERT, D. and SU, J. 2008 "Physical Processes in Semi-Enclosed Marine Systems" In Ed. Edward R. Urban, Jr., Bjørn Sundby, Paola Malanotte-Rizzoli, and Jerry M. Melillo "Watersheds, bays and bounded seas" p 97-114

KROEZE, C., MIDDELBURG, J., LEEMANS, R., ESCOBAR-BRIONES, E., FENNEL, W., GLASER, M., HARASHIMA, A. KEE LIU, K., MEYBECK, M. 2008 "Integrating tools to assess changes in semi-enclosed marine systems" In: Eds: Ed. Edward R. Urban, Jr., Bjørn Sundby, Paola Malanotte-Rizzoli, and Jerry M. Melillo "Watersheds, bays and bounded seas", p 77-96

SCHMIDT, M., W. FENNEL, T. NEUMANN, and T. SEIFERT 2008. Description of the Baltic Sea with Numerical Models. In: State and Evolution of the Baltic Sea, 1952 – 2005. Eds. R. Feistel, G. Nausch, N. Wasmund, Wiley & Sons, 583-623.

FENNEL, W. and T. NEUMANN. 2008 Modelling coastal dynamics and HABs in the Baltic Sea In: "Real-time coastal observing systems for ecosystem dynamics and harmful algal Blooms" Eds: M. Babin, C. Roesler, J. Cullen. UNESCO series "Monographs on oceanographic methodology", 627-662.

MOSS, B., W. FENNEL, C. NAMASIVAYAM, D. ROSBERG, S. SEITZINGER, P. SNOEIJIS, and J. STEGMAN 2008, "Water Research in Finland, 2002-2006 -International Evaluation", Publication of the Academy of Finland, pp 92.

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### Original articles in journals

- RADTKE, H., T. NEUMANN, M. VOSS, and W. FENNEL, 2012, Modeling pathways of riverine nitrogen and phosphorus in the Baltic Sea, *Journal of Geophysical Research*, doi:10.1029, (in press)
- RADTKE, H., T. NEUMANN and W.FENNEL 2012, A Eulerian nutrient to fish model of the Baltic Sea - a feasibility-study, *Journal of Marine Systems*, doi: 10.1016/j.jmarsys.2012.07.010 (in press)
- FENNEL, W., T. JUNKER, M. Schmidt, V. MOHRHOLZ, 2012, Response of the Benguela Upwelling Systems to spatial variations in the wind stress, *Continental Shelf Research*, 45, 65-77.
- FENNEL, W., RADTKE, H. SCHMIDT, M., and NEUMANN, T. 2010, Transient upwelling in the central Baltic Sea. *Continental Shelf Research*, **30**, 2015-2026.
- FENNEL, W. (2010), A nutrient to fish model for the example of the Baltic Sea, *Jour. Mar. Syst.* **81**, 184-195
- FENNEL, W., 2009, Parameterizations of truncated food web models from the perspective of an end-to-end model approach, *Jour. Mar. Syst.* **76**, 171-185; doi:10.1016/j.jmarsys.2008.05.005,
- FENNEL, W., T. SEIFERT. 2008 Oceanographic processes in the Baltic Sea: *Die Küste*, H. 74, 77 – 91.:
- FENNEL, W., 2008, Towards bridging biogeochemical and fish production models. *Jour. Mar. Systems*, doi:10.1016/j.jmarsys.2007.06.008, **71**, 171-194.
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- MANASRAH, R., H. U. LASS and W. FENNEL, 2006. “Circulation in the Gulf of Aqaba (Red Sea) during Winter-Spring” *Journal of Oceanography*, **62**, 219-225.
- NEUMANN, T., and W. FENNEL: 2006 “A method to represent vertical migration of Zooplankton in 3D-Eulerian Models”, *Ocean Modelling*, **12**, 188-204.
- KUHRTS, C. T. SEIFERT and W. FENNEL, 2006, “Modeling transport of fluff layer material in the Baltic Sea” *Hydrobiologia*, , 554, 25-30.
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- MANASRAH, R., M.BADRAN, H.U.LASS, and W.FENNEL: 2004 "Circulation and winter-deep water formation in the northern Red Sea" *Oceanologica*, **46**, 5-23.
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- FENNEL, W. and T.NEUMANN, 2001: "Coupling Biology and Oceanography in Models" *Ambio*, **30**, , 232-236.
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- FENNEL,W. and O. J. JOHANNESSEN: 1998, "Wind forced responses near ice edges revisited" *Jour. Mar. Systems*, **14**, 57-79.
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### Short notes

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### Other Publications

GENTIEN, P., Y. FUKUYO, D. M. ANDERSON, M. BABIN, A. CEMBELLA, H. ENEVOLKSEN, M. ESTRADA, W. FENNEL, P. M. GLIBERT, L. GUZMAN, K. KONONEN, N. LAGOS, G. PITCHER, B. REGUERA, A. P. SIERRA-BELTRAN, S. THORPE, E. R. URBAN, J. ZHANG, and A. ZINGONE 2003: "Global Ecology and Oceanography of Harmful Algal Blooms -Implementation Plan" Published by SCOR and IOC, Baltimore and Paris, pp 36

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