

GENERAL INFORMATION

**Claudia Kruschel**

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GOOGLE SCHOLAR:

<https://scholar.google.com/citations?hl=en&user=iUE5eSMAAAAJ>

CROSBİ CROATIA:

<https://www.bib.irb.hr/pretraga?by=author&page=3&q=Kruschel%2C+Claudia>

Female | Birth date 20/12/1968 | Citizenships: Croatian, German, American (SAD)

CURRENT WORKPLACE AND POSITION

Associate professor
University of Zadar (izv. prof. dr. sc.), Croatia
M. Pavlinovica 1, 23000 Zadar, Croatia

WORK EXPERIENCE

-
- 2018 Associate professor, University of Zadar, Croatia
- Lead administrator of the Undergraduate Program „Underwater Science and Technology“
 - Lecturer for:
 - General Biology
 - Marine Biology
 - Methods in Underwater Science and Technology
 - Marine and Freshwater Pollution
 - Ocean Conservation
 - Ecology of Marine Fishes
 - Introduction to Experimental and Applied Science
 - Biomimicry
 - Coastal Restoration
- 2012 - 2018 Assistant professor, University of Zadar, Croatia
- Lead administrator of the Undergraduate Program „Underwater Science and Technology“
- 2009 - 2012 Postdoc, University of Zadar, Croatia
- Lecturer, researcher and administrator of the Undergraduate Program „Underwater Science and Technology“
- 2006 - 2012 Adjunct professor and Postdoc, University of Oregon, USA, Oregon Institute of Marine Biology, USA.

- 2006 - 2009 Ph.D., University of Zagreb, Croatia (Thesis: Interactions between macrofauna and various types of marine benthic habitats in the Croatian Adriatic)
- 2002 - 2006 Palmer Trinity Independent School, Miami, Florida, USA
 ▪ Educator: Biology, Physics, Environmental Sciences, Earth Sciences, Astronomy
- 1997 - 2002 Miami Dade City College, Kendall Campus, Miami, Florida, USA
 ▪ Adjunct Faculty for Biology and Environmental Sciences
- 1997 University of Miami, Miami, Florida, USA
 ▪ Adjunct Faculty for Biology
- 1996 Florida International University, Miami, Florida, USA
 Research volunteer: Ecology of Coral Reefs – Coral-bacterial interactions
- 1993 - 1995 University of Oregon, Eugene, Oregon, USA
 ▪ Postgraduate (Post-Master) research: Ecology of cyanobacteria in extreme environments
- University of Bayreuth, Germany
 ▪ Postgraduate (Post-Bachelor) research: Heat shock responses in *Bacillus subtilis*
- 1992

EDUCATION

- 2006 - 2008 Doctoral thesis: „Interactions between macrofauna and various types of marine benthic habitats in the Croatian Adriatic“
 University of Zagreb, Department of Biology
- 1995 - 1996 DAAD Postgraduate Fellow
 University of Oregon, Department of Biology
 Graduate courses in Ecology and Evolution
- 1994 - 1995 Master of Science (DIPLOM) thesis: „Mikrobiologische Untersuchungen der Hiddensee Baek mit Hinsicht auf den Einfluss von Abwasser“
 University of Greifswald, Institute for Marine Ecology
- 1992 - 1993 Postgraduate studies
 University of Oregon, Department of Biology, German BAFöG stipend
 Graduate courses in Zoology, Oceanography and Marine Ecology
- 1991 - 1992 Graduate program (DIPLOM)
 University of Greifswald: Microbiology and Molecular Biology
- 1988 - 1991 Undergraduate program (VORDIPLOM)
 University of Greifswald: Microbiology and Molecular Biology, Paleontology

Research projects

Main PI (partner UNIZD) EU – Interreg projekt, ADRIREEF – Innovative exploitation of Adriatic reefs in order to strengthen the blue economy, 2018 – 2022, no Web-page yet, project starts in 12/2018.

Main PI for Croatia; BIG – Bio - Inspired Generation supported by a grant from BMBF (German Ministry for Education and Research), 2016 – 2017.

Main PI for Croatia: Ocean BITEMAP, Smithsonian Institution grant (USA); Coordinator Prof. Dr. sc. Emmet Duffy, 2016 – ongoing; <https://bitemap.wordpress.com/resources/>

Main PI for Croatia: ZEN, Zostera Experimental Network, National Science Foundation grant (USA); Coordinator Prof. Dr. sc. Pamela Reynolds, [Virginia Institute of Marine Science, USA](http://virginia.instituteofmarinescience.edu), 2014 – ongoing; <http://zenscience.org/>

Main PI for Croatia: Seagrass NET; Coordinator Prof. Dr. sc. Fred Short, 2010 – ongoing; <http://www.seagrassnet.org/participants/>

Participant: Croatian National Science Foundation research project; Coordinator Prof. S.T. Schultz, University of Zadar; Conditions, Resources, Enemies, and Biodiversity: Forces structuring marine communities of the shallow Adriatic Sea, 2014-2018; <http://www.unizd.hr/cimmar/Projects/COREBIO/tabid/7004/Default.aspx>

Participant: EU FP7 project CoCoNet (287844); Coordinator Prof. Dr. sc. Ferdinando Boero DiSTeBA, University of Salento, Italy; 2012 – 2016; <http://www.coconet-fp7.eu/>

Participant: TRITON, Deep Water Heritage Research Project, University of Zadar; Coordinator Prof. Dr. Irena Radić Rossi, 2009 - 2012.

Participant: MSES project 269–0362975–3174. Croatian ministry of Science; Coordinator Prof. S.T. Schultz, University of Zadar; Ecology and monitoring of benthic habitats of the Croatian Adriatic, 2007 - 2011.

Participant: MSES code 119-0362975-1226 Croatian ministry of Science; Investigation of threatened habitats by sea flooded karst in the coastal Croatia; Prof. dr. sc. T. Bakran-Petricioli, 2008 - 2009.

Participant: TEMPUS Joint European Project CARDS JEP-41082; Curriculum development of an Undergraduate Curriculum in Underwater Science and Technologies; Prof. dr. sc. L. Marušić, 2003 - 2006.

Participant: Grant IBN-9219273, National Science Foundation, USA; Coordinator Prof. Dr. sc. R.W. Castenholz, University of Oregon, 1995 – 1996 ; Croatian National Science Foundation research project. Stress responses of Cyanobacteria in extreme environments and in response to UV

Publications:

Current Contents Connect

1. Zupan, Mirta ; Bullerib, Fabio ; Evans, Julian ; Frascetti, Simonetta ; Guidettie, Paolo ; Garcia-Rubies, Antoni ; Sostresa, Marta ; Asnaghig, Valentina ; Caroa, Anthony ; Deudero, Salud ; Goñi, Raquel ; Guarnierid, Giuseppe ; Guilhaumoni, Francois ; Kersting, Diego ; Kokkalil, Athina ; Kruschel, Claudia ; Macic, Vesna ; Mangialaj, Luisa ; Macpherson, Enrique ; Panuccil, Antonella ; Radolovic, Mirko ; Ramdanir, Mohamed ; Schembric, Patrick J. ; Terlizzi, Antonio ; Villau, Elisa ; Claudet, Joachim 2018. How good is your marine protected area at curbing threats? *Biological conservation*, **221**, pp. 237-245 doi:10.1016/j.biocon.2018.03.013
2. Pamela L. Reynolds, John J. Stachowicz, Kevin Hovel, Christoffer Böstrom, Katharyn Boyer, Mathieu Cusson, Johan Eklof, Britas Klemens Eriksson, Joel Fodrie, John Griffin, Pablo Jorgensen, Clara Hereu, Masakazu Hori, Randall Hughes, Mikhail Ivanov, Claudia Kruschel, Kun-Seop Lee, Per Olav Moksnes, Massahori Nakaoka, Fiona Tomas Nash, Jeanine Olsen, Mary O'Connor, Nessa O'Connor, Robert J. Orth, Francesca Rossi, Jennifer Ruesink, Erik Sotka, Richard Unsworth, Matt Whalen, J. Emmett Duffy. 2018. Biogeography of predation pressure in eelgrass across the Northern Hemisphere. *Ecology*, 99:1, pp29–35., DOI: 10.1002/ecy.2064.
3. Melita Mokos, Stewart T. Schultz, Ivana Zubak, Claudia Kruschel. 2017. First record of vertical growth in seagrass *Zostera marina* L. *Marine Ecology*. 38(3), e12438. DOI: 10.1111/maec.12438
4. Carlos Carreras, Víctor Ordóñez, Lorenzo Zane, Claudia Kruschel, Ina Nasto, Enrique Macpherson, Marta Pascual. 2017. Population genomics of an endemic Mediterranean fish: differentiation by fine scale dispersal and adaptation. *Scientific Reports*, 7, 43417-43417,.DOI: [10.1038/srep43417](https://doi.org/10.1038/srep43417)
5. Paterno M, Schiavina M, Aglieri G, Boscari E¹, Casagrandi R, Chiantore MC, Congiu L, Guarnieri G, Kruschel C, Macic V, Marino IAM, Papetti C, Patarnello T, Zane L, Melià P. 2017. Population genomics meet Lagrangian simulations: oceanographic patterns and long larval duration ensure strong connectivity among *Paracentrotus lividus* (Lamarck, 1816) populations in the Adriatic and Ionian seas. *Ecology and Evolution*; 7(8): 2463–2479. DOI: [10.1002/ece3.2844](https://doi.org/10.1002/ece3.2844)
6. Ivana Zubak; Claudia Kruschel; Stewart T. Schultz. 2017. Predators structure fish communities in *Posidonia oceanica* meadows: Meta-analysis of available data across the Mediterranean basin. *Marine Ecology Progress Series* 566:145-157; DOI: 10.3354/meps12038.
7. Boissin, E; D Micu, D Janczyszyn-Le Goff, Neglia, Bat, VL; Todorova, V; Panayotova, M; Kruschel, Claudia; Macic, V; Milchakova, N; Keskin, C; Anastasopoulou, A; Nasto, I; Zane, L; Planes, S.C. 2016. Contemporary genetic structure and postglacial demographic history of the black scorpionfish,

Scorpaena porcus, in the Mediterranean and the Black Seas. *Molecular ecology*. 25 , 10; 2195-2209.

8. Kruschel, C, S.T. Schultz. 2012. Use of a lure in visual census significantly improves probability of detecting wait-ambushing and fast cruising predatory fish. *Fisheries Research* 123-124: 70-77.
9. Kruschel, C, S.T. Schultz. 2011. Juvenile *Gobius niger* avoids seagrass in the presence and uncertain absence of seagrass-inhabiting predators. *Journal of Experimental Marine Biology and Ecology* 409: 240-246.
10. Schultz, S.T., C. Kruschel, and M. Mokos. 2011. Boat-based videographic monitoring of an Adriatic lagoon indicates increase in seagrass cover associated with sediment deposition. *Aquatic Botany* 95: 117-123.
11. Kruschel, C. and Schultz, S.T. 2010. Lure-assisted visual census: A new method for quantifying fish abundance, behaviour, and predation risk in shallow coastal habitats. *Marine and Freshwater Research* 61: 1349-1359.
12. Schultz S.T. and Kruschel, C. 2010. Frequency and success of ambush and chase predation in fish assemblages at seagrass and bare sediment in an Adriatic lagoon. *Hydrobiologia* 649: 25-37.
13. Schultz, S.T., Kruschel, C., i Bakran-Petricioli, T. 2009. Influence of seagrass meadows on predator-prey habitat segregation in an Adriatic lagoon. *Marine Ecology Progress Series* 74: 85-99.
14. Kruschel, Claudia; Castenholz, Richard W.1998. The effect of solar UV and visible irradiance on the vertical movements of cyanobacteria in microbial mats of hypersaline waters. *FEMS microbiology, ecology*. 27,1:53-72.

Web of Science Core collection

15. Schultz ST, Kruschel C, Bakran-Petrićoli T, Petricioli D. 2015. Error, Power, and Blind Sentinels: The Statistics of Seagrass Monitoring. *PLoS ONE* 10(9) DOI:10.1371/journal.pone.0138378

BIOSIS

16. Kruschel, C, Harras, J., Blindow, I. , Schultz S.T. 2017. Do fish assemblages at sites featuring man-made concrete walls differ from those at natural rocky-reef sites? *Annales Series Historia Naturalis* 27(2); 164-163.
17. Kruschel, C., I. Zubak, S.T. Schultz, and S. Dahlke. 2012. New records of the parrot fish, *Sparisoma cretense*, and the cleaver wrasse, *Xyrichtys novacula*, by visual census in the southern Croatian Adriatic. *Annales Series Historia Naturalis* 22; 47-53.

18. Kruschel, C., S.T. Schultz, J. Stiefel. 2010. High diversity and sensitivity to coastal development of fish and invertebrates of the Novigrad and Karin Seas: A metacommunity study in the Northern Adriatic, Croatia. *Annales Series Historia Naturalis* 21: 11-20.
19. Kruschel, C. and Schultz, S.T. 2010. Relations of macrofaunal diversity with habitat diversity in a central Croatian Adriatic lagoon. *Annales Series Historia Naturalis* 20: 1-15.
20. Kruschel, C., Mokos, M. , Schultz, S.T. 2009. Evidence for seagrass competition in a central Croatian Adriatic lagoon. *Annales Series Historia Naturalis* 19: 1-10.

Zoological Record Plus

21. Kruschel, C., S.T. Schultz, T. Bakran-Petricioli, and D. Petricioli. 2012. Comparing predator abundance and fish diversity in MPA sites (Kornati NP, Croatia) and adjacent sites exploited by fisheries. *Ribarstvo* 70: 65-78
22. Agic, B., I. Zubak, C. Kruschel, S.T. Schultz, and I. Blindow. 2012. Quantifying abundance of predators using experimental hook and line fishing: Comparisons inside and outside a marine protected area in the central Adriatic. *Ribarstvo* 70; 53-64.

Academic Search complete

23. Dubravko Pejdo, Claudia Kruschel, Stewart Schultz, Danijel Kanski, Ivana Zubak, Martina Markov, Petra Peleš. 2015. Fish monitoring in Kornati National Park: Baited, remote, underwater video (BRUV) versus trammel net sampling. VI. SAVJETOVANJE O MORSKOJ TEHNOLOGIJI in memoriam akademiku Zlatku Winkleru 20. i 21. studenog 2015, Hrvatska akademija znanosti i umjetnosti – Znanstveno vijeće za pomorstvo, Tehnički fakultet Sveučilišta u Rijeci.

Conference papers (1000 – 2000 words)

24. Jäger, J., Simon, M., Denzler, J., Wolff, V., Fricke-Neuderth, K., and Kruschel, C. (2015). Croatian fish dataset: Fine-grained classification of fish species in their natural habitat. In T. Amaral, S. Matthews, T. P. S. M. and Fisher, R., editors, *Proceedings of the Machine Vision of Animals and their Behaviour (MVAB)*, pages 6.1–6.7. BMVA Press 10.5244/C.29.MVAB.6
25. Reus, G., Moeller, T., Jäger, J., Schultz, S., Kruschel, C., Hasebhauer, J., Wolff, V., Fricke-Neuderth, K. (2018). Looking for Seagrass: Deep Learning for Visual Coverage Estimation. To appear in *MTS/IEEE OCEANS Conference Kobe, 2018*. DOI: not yet available. Collaboration with German colleagues to develop automated machine-learning methods to identify COREBIO images of fish in their natural habitat.
26. Kruschel, C., Ivancic, T., Lakic, R., Schultz, S.T. 2016. The effects of interference interactions on fish communities as assessed by baited remote underwater videography (BRUV). *Rapports et*

proces verbaux des réunions - Commission internationale pour l'exploration scientifique de la mer Méditerranée. 41; 449-449.

27. Kruschel, C. Jahn, S., Zubak, I., Schultz, S.T. 2016. Experimental evidence for the disruption of predator-prey interactions by chemical pollution. Rapports et proces verbaux des réunions - Commission internationale pour l'exploration scientifique de la mer Méditerranée. 41; 190.
28. Schultz, S.T., Bakran-Petricioli, T., Kruschel, C., and Petricioli, D. 2014. Monitoring of *Posidonia* meadows under the EC Habitats Directive: Vehicular videography can estimate trends in coverage at low cost and high precision. UNEP/MAP – RAC/SPA, 2014. Proceedings of the 5th Mediterranean Symposium on Marine Vegetation (Portorož, Slovenia, 27-28 October 2014). LANGAR H., BOUAFIF C., OUEGHI A., edits., RAC/SPA publ., Tunis: 161-166.
29. Schultz, S.T., Bakran-Petricioli, T., Kruschel, C., and Petricioli, D. 2014. Monitoring of *Posidonia* meadows under the EC Habitats Directive: Vehicular videography can estimate trends in coverage at low cost and high precision. UNEP/MAP – RAC/SPA, 2014. Proceedings of the 5th Mediterranean Symposium on Marine Vegetation (Portorož, Slovenia, 27-28 October 2014). LANGAR H., BOUAFIF C., OUEGHI A., edits., RAC/SPA publ., Tunis: 161-166.
30. Schultz, S.T. and Kruschel, C. 2013. Shallow marine fish communities in Croatia: The influence of habitat and geography on beta diversity. Rapports et proces verbaux des réunions - Commission internationale pour l'exploration scientifique de la mer Méditerranée. 41; 627.
31. Kruschel, C., Schultz, S.T., Zubak, I., Bakran-Petricioli, T., and Dahlke, S. 2013. Seeking the edge – fish assemblages at habitat transitions – knowing what species do. Rapports et proces verbaux des réunions - Commission internationale pour l'exploration scientifique de la mer Méditerranée. 41; 527.
32. Bakran-Petricioli, T., Schultz, S.T. , Kruschel, C. 2010. Biometry and leaf lepidochronology of the seagrass *Posidonia oceanica* in the Croatian Adriatic. U: El Asmi, S., Langar, H., Belgacem, W. (urednici) Proceedings of 4th Mediterranean Symposium on Marine Vegetation (Hammamet, Tunis, 2. – 4. 12. 2010), RAC/SPA Publication, Tunis, str. 28-31.
33. Kruschel, C., Schultz, S.T., and Stiefel, J. 2010. Populations of seagrasses *Zostera marina*, *Z. noltii*, and *Cymodocea nodosa* occupy predictable physico-chemical regions and harbor characteristic animal communities within and among central Croatian Adriatic embayments. In: El Asmi, S., Langar, H., Belgacem, W. (eds.) Proceedings of 4th Mediterranean Symposium on Marine Vegetation (Hammamet, Tunis, 2. – 4. 12. 2010), RAC/SPA Publication, Tunis, pp. 181-182.
34. Kruschel, C. 1995. Sedimentmikrobiologische Untersuchungen der Hiddensee Baek. *Bodden* 1;113-114
35. Bakran-Petricioli, T., Schultz, S. T., Kruschel, C., Petricioli, D., Vukić, Z. (2010) Praćenje stanja bentoskih naselja uz pomoć novih tehnika i tehnologija (Monitoring of benthic communities with new techniques and technologies; na hrvatskom s engleskim sažetkom). U: Rožanić, I.

(urednik) Zbornik radova III. Savjetovanja o morskoj tehnologiji - in memoriam akademiku Zlatku Winkleru (Rijeka, 30. 11. -1. 12. 2009.), Hrvatska akademija znanosti i umjetnosti – Znanstveno vijeće za pomorstvo, Tehnički fakultet Sveučilišta u Rijeci, ISBN 978-953-6326-17-4, str. 211-216.

Conference posters and talks:

1. Claudia Kruschel, Jurica Jović, Dubravko Pejdo and Stewart Tyre Schultz.2017. Do lure-assisted underwater visual census (Lure-UVC) and diver-operated video census (DOV) detect similar fish communities, habitat mosaics and species-specific habitat preferences? 52nd European Marine Biology Symposium, Piran, Slovenia.
2. Stewart T. Schultz, Dubravko Pejdo and Claudia Kruschel.2017. Lure-assisted visual census documents the effects of both harvest protection and habitat on fish communities in marine protected areas in the eastern Adriatic Sea. 52nd European Marine Biology Symposium, Piran, Slovenia.
3. Jonas JÄGER, Claudia KRUSCHEL, Stewart T. SCHULTZ2, Dubravko PEJDO, Viviane WOLFF, KlausFricke NEUDERTH and Joachim DENZLER.2017.UNDERWATER AND IN THE CLOUD: WEB-BASED MACHINE LEARNING FOR FISH VIDEO ANALYSIS. 52nd European Marine Biology Symposium, Piran, Slovenia.
4. Kruschel, C. Baited remote undereater video, Diver operated video and BITEMAP-SQUIDPOPS – the potential for automated fish recognition.2017 Underwater Video -Techniques Workshop. 19.5.2017. University of Barcelona.
5. Claudia Kruschel. Social innovation guided by Life's principles may restore global fisheries.2016.Global Conference Biomimicry and Bioinspired Innovation. Utrecht. Netherlands
6. Claudia Kruschel, Martina Markov, Dubravko Pejdo, Stewart T. Schultz. 2016. MORE SMALL PREDATORS – INDICATING EFFECTIVE FISHING REGULATIONS OR ENHANCED PREDATOR RELEASE? A CASE STUDY IN THE MPA KORNATI NATIONAL PARK, CROATIA. 51st European Marine Biology Symposium, Rhodes, Greece.
7. Dubravko Pejdo, Claudia Kruschel, Stewart Schultz, Martina Markov, Ivana Zubak, Danijel Kanski, Petra Peleš. 2016. FISH POPULATION ASSESSMENT IN THE EASTERN ADRIATIC SEA: BAITED, REMOTE, UNDERWATER VIDEO (BRUV) VERSUS TRAMMEL NET SAMPLING. 51st European Marine Biology Symposium, Rhodes, Greece.
8. Stewart T. Schultz, Claudia Kruschel. 2016. CONSERVATION SCIENCE MEETS MEDICINE: ECONOMICS OF DECISION LOGIC IN SCREENING TESTS FOR MARINE ECOLOGICAL HEALTH. 51st European Marine Biology Symposium, Rhodes, Greece.
9. Claudia Kruschel, Julia Harras, Stewart T. Schultz. 2016. EFFECT OF ANTHROPOGENIC HABITAT FRAGMENTATION ON FISH COMMUNITIES AT ROCKY SUBSTRATES IN THE EASTERN ADRIATIC SEA. 51st European Marine Biology Symposium, Rhodes, Greece.
10. Schultz S.T., C. Kruschel. 2011. Functional versus taxonomic information as predictors of spatiotemporal variation in a macrofaunal community in a seagrass mosaic. European Marine Biology Symposium, Rovinj, Croatia, September 2011.

11. Bakran-Petricioli, T., S.T. Schultz, C. Kruschel, A. Bacic, D. Petricioli. 2011. Monitoring of benthic habitats in shallow infralittoral of the National Park Kornati (Croatia). European Marine Biology Symposium, Rovinj, Croatia, September 2011.
12. Kruschel C., S.T. Schultz, T. Bakran-Petricioli, S. Dahlke. 2011. Fish abundance and diversity depends more on small-scale spatial heterogeneity than on habitat type and structure. European Marine Biology Symposium, Rovinj, Croatia, September 2011.
13. Garibovic, T., S.T. Schultz, C. Kruschel, S. Dahlke. 2011. Effects of coastal development on habitat structure, biodiversity, and water quality in Novigrad Sea, Croatia. European Marine Biology Symposium, Rovinj, Croatia, September 2011.
14. Dietert T., C. Kruschel, S.T. Schultz, C. Durif. 2011. Simultaneous monitoring of the European eel (*Anguilla anguilla*) and its benthic environment by DGPS/video supported visual census in the Croatian Adriatic. European Marine Biology Symposium, Rovinj, Croatia, September 2011.
15. Agic, B., C. Kruschel, S.T. Schultz. 2011. Top-down regulation of fish communities in the shallow infralittoral of the Croatian Adriatic. European Marine Biology Symposium, Rovinj, Croatia, September 2011.
16. Zubak, I, S.T. Schultz, C. Kruschel, H. Cizmek. 2011. Fish community structure in shallow benthic habitats of Croatia: The value of *Posidonia* as an animal habitat. European Marine Biology Symposium, Rovinj, Croatia, September 2011.
17. Mocos, M., S.T. Schultz, C. Kruschel. 2011. Seagrass bed expansion associated with sediment deposition in the Novigrad Sea, Croatia. European Marine Biology Symposium Rovinj, Croatia, September 2011.
18. Schultz, S.T., C. Kruschel, and M. Bacalja, 2007. Effects of marina development on distribution and abundance of shallow subtidal seagrasses *Zostera marina*, *Z. noltii*, and *Cymodocea nodosa*. Croatian Botanical Congress, Zagreb, September 2007.
19. Bakran-Petricioli, T., Katalinić, A., Ivanišević, J., Berković, B., Nikolić, V., Kruschel, C., Schultz, S. T. (2009): Variations in *Posidonia oceanica* meadow characteristics along a large enclosed bay within a protected area on the Eastern Coast of the Adriatic Sea. U: Di Carlo, G., Calladine, A., Žuljević, A. (ur.) Mediterranean Seagrass Workshop '09 (Hvar, Hrvatska, 6.-10. 9. 2009.), Seagrass 2000 - Mediterranean Seagrass Association, str. 46 (poster)
20. Bakran-Petricioli, Tatjana; Schultz, Stewart; Kruschel, Claudia; Petricioli, Donat; Vukić, Zoran. 2009. Nove tehnike i tehnologije u biološkom istraživačkom radu u podmorju Hrvatske // Zbornik sažetaka 10. hrvatskog biološkog kongresa s međunarodnim sudjelovanjem / Besendorfer, V.; Kopjar, N.; Vidaković-Cifrek, Ž.; Tkalec, M.; Bauer, N.; Lukša, Ž. (ur.) Zagreb : Hrvatsko biološko društvo 1885, 2009. 64-66.
21. Schultz, S.T. And C. Kruschel. 2009. Habitat structure and predation mode predict community assemblages in the shallow benthos of an Adriatic lagoon. Advancing the Science of Limnology and Oceanography Aquatic Sciences Meeting, Nice, France, January 2009.
22. Kruschel, C., S.T. Schultz, and T. Bakran-Petricioli. 2009. Faunal abundance and diversity in Mediterranean seagrass is linked to the segregation of seagrass-resident predators and their potential prey. Advancing the Science of Limnology and Oceanography Aquatic Sciences Meeting, Nice, France, January 2009.

23. Kruschel, C., and S.T. Schultz. 2007. Association of Macrofauna with Shallow Benthic Habitats of the Croatian Adriatic Revealed by a Method Suitable to Assist Large Scale Management of Marine Resources; 2nd International Symposium on Environmental Management, Zagreb, September 2007.
24. Kruschel, C., and S.T. Schultz 2007. Association of fish and invertebrates with shallow benthic habitats revealed by DGPS/video tracking dive transects. 42nd European Marine Biology Symposium, Kiel, Germany, August 2007.
25. Schultz, S.T. and Kruschel, C. 2007. Seagrass monitoring by underwater videography: disturbance regimes, sampling design, and statistical power. 42nd European Marine Biology Symposium, Kiel, Germany, August 2007; 2nd International Symposium on Environmental Management, Zagreb, September 2007; Croatian Botanical Congress, Zagreb, September 2007.
26. Schultz, S.T., C. Kruschel, and M. Bacalja, 2007. Effects of marina development on distribution and abundance of shallow subtidal seagrasses *Zostera marina*, *Z. noltii*, and *Cymodocea nodosa*. Croatian Botanical Congress, Zagreb, September 2007.
27. Castenholz, Richard W.; Garcia-Pichel, Ferran; Kruschel, Claudia.1994.[UV-A radiation as a cue in vertical migration of gliding cyanobacteria in microbial mats](#) // Abstracts of the 94th General Meeting of the American Society for Microbiology. Washington D.C., USA., 1994. I-44-I-44 (poster).

Invited speaker

1. Kruschel, C. 2013. Die größten Probleme unserer Meere können nur durch interdisziplinäre Forschung gelöst werden. 2013. FET- Förderkreis des Fachbereichs Elektrotechnik und Informationstechnik. 18. Fuldaer Elektrotechnik Kolloquium - Die Ozeane - Bedeutung und Erforschung.16.November 2013.Fulda, Germany
2. Kruschel, C., 2013. Monitoring of *Poisidonia oceanica* seagrass in Croatia. Breaking the Surface Workshop, Murter, Croatia, October 2013.
3. Kruschel, C., 2012. Analysis of shallow-water fish communities in Croatia: The influence of habitat and geographic variables on beta diversity. COCONET Beta Diversity and Connectivity Workshop, Castiglione, Italy, October 2012.
4. Kruschel, C., 2012. Precision and inter-rater reliability of seagrass cover estimates using autonomous underwater vehicles. Breaking the Surface Workshop, Murter, Croatia, October 2012.
5. Kruschel, C., 2010. Seagrass-associated fish communities in the Croatian Adriatic. Biology Department, University of Greifswald.
6. Kruschel, C., 2008. Predator-prey segregation in a seagrass habitat mosaic in the Croatian Adriatic. University of Oregon Institute of Marine Biology, Charleston OR USA.
7. Kruschel, C., 2007. Boat-based videographic monitoring of seagrasses. Breaking the Surface workshop, Murter Croatia.

Mentorship, Master theses

1. **Sandra Jahn** (2015). Means of communication and herbicide effects in predator-prey interactions between *Scorpaena porcus* and *Pomatoschistus* spp. Masters Thesis, Landscape Ecology & Nature Conservation, Ernst-Moritz-Arndt University of Greifswald
2. **Radoslava Latic** (2014). A baited underwater video technique for fish population modeling: Impact of dominance interactions on species' co-occurrences. Masters thesis University of Trieste, Italy
3. **Julia Harras** (2012). Do fish communities associated with man-made walls differ from those at natural reefs? A case study in the Croatian Adriatic. Masters thesis, Landscape Ecology & Nature Conservation, Ernst-Moritz-Arndt University of Greifswald,
4. **Thomas Dietert** (2010). Abundanzvariabilität des Europäischen Aals, *Anguilla anguilla*, in der Novigrad See, zentralkroatische Adria; zeitliche und räumliche Aktivitätsmuster und Habitatansprüche. Diploma Thesis, Landscape Ecology & Nature Conservation, Ernst-Moritz-Arndt University of Greifswald
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1. Mocos, Melita. Effects of sedimentation on seagrass landscape of the Novigrad Sea, Croatia. 2017 Ph.D awarded.
2. Zubak, Ivana. Faunal communities of *Posidonia oceanica* meadows, Croatian Adriatic. Current Ph.D. (in progress)
3. Pejdo, Dubravko. Fish communities in the Croatian Adriatic, special focus on MPAs. Current Ph.D. (in progress)