

**Uta Passow, Dr. rer. nat. habil.**

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**RESEARCH INTERESTS:**

My research has focused on understanding the functioning of the biological carbon pumps and drivers of carbon cycling in the ocean. The role of marine particles, including marine snow, in the distribution of oil and microplastic, as well as the impact of climate change (ocean warming and acidification) on phytoplankton aggregation and sedimentation are focal points of my recent research efforts. I approach each topic by combining targeted laboratory experiments, mesocosm studies and field investigations, and collaborate closely with modellers, who are interested in these processes. My projects include research in local bays, as well as large interdisciplinary work in the open ocean.

**EDUCATION AS A SCIENTIST, HIGHLIGHTS**

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| 2001 | Habilitation in Biological Oceanography (post Ph.D. degree required for full professorship in Germany), University of Kiel, Germany |
| 1989 | Ph.D. in Biological Oceanography, Institut für Meereskunde, Kiel, Germany   |
| 1985 | Diplom (M.Sc.) in Biological Oceanography, University of Kiel, Germany  |
| 1981 | Vordiplom (B.Sc.) in Biology, University of Freiburg, Germany   |

**MAJOR PROFESSIONAL APPOINTMENTS**

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| 2018-present | <i>Canada Research Chair-1</i> , Ocean Sciences Centre, Memorial University of Newfoundland, St John's, Canada       |
| 2008-2018    | <i>Research Oceanographer</i> , Marine Science Institute, University of California, Santa Barbara, USA               |
| 2000-2010    | <i>Tenured Research Oceanographer</i> , Alfred-Wegener Institute for Polar and Marine Research, Bremerhaven, Germany |
| 1994-2000    | <i>Assistant Research Oceanographer</i> , Marine Science Institute, UC Santa Barbara, USA                            |
| 1991-1994    | <i>Research Fellow</i> , Marine Science Institute, UC Santa Barbara, USA   |
| 1990-1991    | <i>Postgraduate Researcher</i> , Institut für Meereskunde, Kiel, Germany   |

**MAYOR HONORS AND AWARDS:**

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| Since 2024 | Fellow of the Royal Society Canada  |
| 2022       | The A.G. Huntsman Medal for Excellence in the Marine Sciences                 |
| Since 2018 | Canada Research Chair-1   |
| 2016       | Sustaining Fellow, Association for the Sciences of Limnology and Oceanography |
| 2016       | Nominee for Kings Guest Professorship of the University of Gothenburg         |