

## List of Publications Dr. Andreas Kunzmann

### 1. Peer reviewed Journals

- Kunzmann, A. (2004) Corals, Fishermen and Tourists. *Naga* 27(1-2): 15-19 pp.
- Kunzmann, A. (2002) On the way to management of West Sumatras coastal ecosystems. *Naga* 25(1): 4-10 pp.
- Zimmermann, C.; Kunzmann, A. (2001) Baseline respiration and spontaneous activity of sluggish marine tropical fishes of the family Scorpaenidae. *Mar. Ecol. Prog. Ser.* 219: 229-239 pp.
- Kunzmann, A. (2000) The marine ecosystems of western Sumatra, In: Sheppard, C. (Ed.) *Seas at the Millennium: an environmental evaluation. Volume 2: regional chapters, the Indian Ocean to the Pacific.* Pergamon, Amsterdam 2: 386-387 pp.
- Kunzmann, A. (1999) Korallen, Fischer und Touristen. *German Journal of Hydrography, Suppl.* 10: 25-32 pp.
- Kunzmann, A.; Randall, J.E.; Suprihanto, I. (1999) Checklist of the shore fishes of the Mentawai Islands, Nias Island and the Padang region of West-Sumatra. *Naga* 22(1): 4-10 pp.
- Kunzmann, A. (1998) Management of marine ecosystems in West Sumatra: theory and everyday practice. *Image of Indonesia IV(5)*: 19-22 pp.
- Randall, J.E.; Kunzmann, A. (1998) *Cirrhilabrus adornatus*, a new species of labrid fish from Sumatra. *Rev. fr. Aquariol* 25(1-2): 41-44 pp.
- Randall, J.E.; Kunzmann, A. (1998) Seven new records of fishes from Indonesia, with discussion of western Indian Ocean fishes in southwestern Indonesia. *Raffles Bull. Zool.* 46(2): 477-485 pp.
- Tamburrini, M.; Romano, M.; Carratore, V.; Kunzmann, A.; Coletta, M.; Di Prisco, G. (1998) The hemoglobins of the Antarctic fishes *Artedidraco orianae* and *Pogonophrhryne scotti*. *J. biol. Chem.* 273(49): 32452-32459 pp.
- Handayani, D.; Edrada, R.A.; Proksch, P.; Wray, V.; Witte, L.; Soest, R.W.M.V.; Kunzmann, A.; Soedarsono (1997) Four new bioactive polybrominated diphenyl ethers of the sponge *Dysidea herbacea* from West Sumatra, Indonesia. *J. Nat. Prod.* 60: 1313-1316 pp.
- Handayani, D.; Edrada, R.A.; Proksch, P.; Wray, V.; Witte, L.; Van Ofwegen, L.; Kunzmann, A. (1997) New oxygenated sesquiterpenes from the Indonesian soft coral *Nephthea chabrolii*. *J. Nat. Prod.* 60: 716-718 pp.

- Kunzmann, A. (1997) The coral reefs of West Sumatra, In: Tomascik, T.; Mah, A.M.; Nontji, A.; Kasim Moosa, M. The Ecology of the Indonesian Seas. Part two. Periplus Editions (HK) Ltd., Singapore, 1249-1262 pp.
- Tamburrini, M.; De Avino, R.; Carratore, V.; Kunzmann, A.; Di Prisco, G. (1997) The hemoglobin system of *Pleuragramma antarcticum*: correlation of hematological and biochemical adaptations with life style. *Comp. Biochem. Physiol.* 118A(4): 1037-1044 pp.
- Woehrmann, A.; Hagen, W.; Kunzmann, A. (1997) Adaptations of *Pleuragramma antarcticum* (Pisces: Nototheniidae) to life in high-Antarctic waters. *Mar. Ecol. Prog. Ser.* 151: 205-218 pp.
- Tamburrini, M.; De Avino, R.; Fago, A.; Carratore, V.; Kunzmann, A.; Di Prisco, G. (1996) Unique hemoglobin system of *Pleuragramma antarcticum*, an Antarctic migratory teleost. *J. Biol. Chem.* 271(39): 23780-23785 pp.
- Caruso, C.; Rutigliano, B.; Riccio, A.; Kunzmann, A.; Di Prisco, G. (1992) The amino acid sequence of the single hemoglobin of the high-Antarctic fish *Bathyraco marri* Norman. *Comp. Biochem. Physiol.* 102B(4): 941-946 pp.
- De Avino, R.; Fago, A.; Kunzmann, A.; Di Prisco, G. (1992) The primary structure and oxygen binding properties of the single haemoglobin of the high-Antarctic fish *Aethotaxis mitopteryx* DeWitt. *Polar Biol.* 12: 135-140 pp.
- Kunzmann, A.; Fago, A.; D Avino, R.; Di Prisco, G. (1992) Haematological studies on *Aethotaxis mitopteryx* DeWitt, a high-Antarctic fish with a single haemoglobin. *Polar Biol.* 12: 141-145 pp.
- Kunzmann, A.; Zimmermann, C. (1992) *Aethotaxis mitopteryx*, a high-Antarctic fish with benthopelagic mode of life. *Mar. Ecol. Prog. Ser.* 88: 33-40 pp.
- Kunzmann, A.; Caruso, C.; Di Prisco, G. (1991) Haematological studies on a high-Antarctic fish: *Bathyraco marri* Norman. *J. exp. Mar. Biol. Ecol.* 152: 243-255 pp.
- De Avino, R.; Fago, A.; Kunzmann, A.; Di Prisco, G. (1990) Structure and function of the hemoglobin of the Antarctic teleost *Aethotaxis mitopteryx*. *Ital. Biochem. Soc. Trans.* 2(3): 315p.
- Kunzmann, A. (1990) Gill morphometrics of two Antarctic fish species, *Pleuragramma antarcticum* and *Notothenia gibberifrons*. *Polar Biol.* 11: 9-18 pp.
- Kunzmann, A. (1988) Coral reef longline - an alternative gear for small-scale fishermen? *Naga* 11(4): 6-7 pp.
- Prein, M.; Kunzmann, A. (1987) Structural organization of the gills in pipefish (Teleostei, Syngnathidae). *Zoomorphology* 107: 161-168 pp.

## 2. Proceedings

- Ittekkot, V.; Kunzmann, A. (1999) Co-operation with Southeast Asian countries. Proceedings of MARUM Workshop on Tropical Marine and Coastal Research, 14-15 Jan. 1999, Bremen, 54-58 pp.
- Kunzmann, A. (1999) Contact Office for Tropical Marine and Coastal Research of the Center for Tropical Marine Ecology. In: Building Marine Research and Capacity in Tropical Countries. Proceedings of MARUM Workshop on Tropical Marine and Coastal Research, 14-15 Jan. 1999, Bremen: 30-33 pp.
- Kunzmann, A.; Efendi, Y. (1994) Are the coral reefs of West Sumatra seriously damaged?, IOC-WESTPAC, Proc. III Int. Sci. Symp. Unesco Workshop Rep., Bali 116: 504-513 pp.
- Zimmermann, C.; Kunzmann, A. (1994) Zum Zustand der Korallenriffe der Padang Inseln (West Sumatra, Indonesien), 7. Jahrestagung der Deutschen Gesellschaft fuer Tropenoekologie, Bremen.
- Kunzmann, A.; Zimmermann, C.; Efendi, Y. (1993) Are the coral reefs of West Sumatra endangered by pollution and fishing with explosives?, Proc. Pre-Indo-Pacific Fish Conference Workshop, Maumere, 20-25 pp.
- Hubold, G.; Hagen, W.; Kunzmann, A.; Woehrmann, A.; Von Dorrien, C. (1990) Adaptations of *Pleuragramma antarcticum* to life in high-Antarctic waters, Abstracts II Int. Conf. Biol. Antarctic Fishes. Ravello, IIGB Press, Naples, 65-66 pp.
- Kunzmann, A.; Di Prisco, G. (1990) On the blood physiology of Weddell Sea fishes, Proc. II Int. Conf. Biol. Antarct. Fishes. IIGB Press, Ravello, 65-66 pp.
- Kunzmann, A. (1987) Gill morphometrics of an Antarctic fish *Pleuragramma antarcticum*, Proc. V Congr. Europ. Ichthyol., Stockholm, 467-468 pp.

## 3. Other Journals

- Schmidt, C.; Kunzmann, A. (2005) Post-harvest mortality in the marine aquarium trade, a case study at an Indonesian export facility. Live Reef Information Bulletin 13: 3-12 pp.
- Kunzmann, A. (2001) Corals, Fishermen and Tourists. Indonesian Journal of Coastal and Marine Resources 4(1): 17-23 pp.
- Kunzmann, A.; Efendi, Y. (1999) Terumbu karang di Sumatera Barat. Marine and Fisheries Journal 1(1): 10-29 pp.
- Kunzmann, A.; Y., E. (1998) Terumbu Karang di Sumatera Barat. Terubuk. Universitas Riau, Pekanbaru 70: 15 p.

- Kunzmann, A. (1997) Status, langkah-langkah pencegahan dan penanggulangan kerusakan terumbu karang die Sumatera Barat (part one). *Warta Penelitian Perikanan Indonesia (W PPI)* 3(2)/3(3): 2-9/10-14 pp.
- Kunzmann, A.; Efendi, Y. (1994) Apakah terumbu karang di perairan sepanjang pantai barat Sumatera Barat sudah rusak? *Jurnal Penelitian Perikanan Laut* 91: 48-56 pp.
- Di Prisco, G.; Tamburrini, M., Kunzmann, A. (1993) Fisheries biology and structure and function of fish haemoglobins (ANT X/3, March - May 1992). *Rep. Polar Res.* 121: 92-98 pp.
- Kunzmann, A. (1991) Blood physiology and ecological consequences in Weddell Sea fishes. *Rep. Polar Res.* 91: 1-79 pp.
- Rankin, J.C.; Johnson, T.; Kunzmann, A.; Woehrmann, A.P.A. (1990) Physiological studies on teleost fish. *Rep. Polar Res.* 68: 144-151 pp.
- Kunzmann, A. (1988) Commercial trials with a coral reef longline. *Jurnal Penelitian Perikanan Laut* 45: 33-39 pp.

#### 4. Theses

- Kunzmann, A. (1990) Blood physiology and ecological consequences in Weddel Sea fishes. PhD. Thesis, math. nat. Fak. Universitaet Kiel, 79 p.
- Kunzmann, A. (1986) Kiemenmorphometrie von zwei antarktischen Fischarten, *Pleuragramma antarcticum* und *Notothenia gibberifrons*, Masters Thesis, math.-nat. Fak. Universitaet Kiel, 86 p.

#### 5. General Publications

- Kunzmann, A. (1998) Verbundvorhaben: Indonesisch-deutsche Zusammenarbeit in der Meeresforschung. *DAAD* 13: 10 -11 pp.
- Kunzmann, A. (1997) Ada apa di dalam laut? Bung Hatta University, Padang, 24 p.
- Kunzmann, A. (1996) Coral Reef Assessment and Monitoring Project (CRAMP). *BulletIndo.* Bung Hatta University, Padang 10: 29 pp.
- Kunzmann, A. (1995) Terumbu Karang Kita. *ICLARM Educ. Ser.* Bung Hatta University, Padang 15: 27 p.
- Kunzmann, A. (1991) Blutphysiologie hochantarktischer Fische. *Polarforschung* 60: 129-139 pp.