Here you will find a collection of interesting references and links to scientific publications and studies about food additives that we use in DR. BASSLEER BIOFISH FOOD.

Of course, this list represents only a small part of the information available on the internet. If you enter the relevant term in a search engine, you will receive numerous other passages on the relevant topics.

Basic scientific information

Miriam Reverter et al: Use of Medicinal Plants in Aquaculture, Diagnosis and control of Diseases of fish and shellfish, by Austin, Page 223 – 262
Sataporn Direkbusarakom: Application of Medicinal Herbs to Aquaculture in Asia (2004, Walailak University)
Gerald Bassleer: Liens entre nourriture des poissons et pahtologies (2017, AquaMag 34, p. 72-76 + Aquafauna 152, p. 20-27)
Gerald Bassleer: Fish Food and Fish Diseases (2017, Journal of Fisheries & Livestock Production 5: 1)
Gerald Bassleer: Fish Nutrition and Fish Health: Effects of diet on fish health (2017, OFI-Journal no. 84 + no.85)
Dr. Gerald Bassleer: Dossier: Fish Nutrition and Fish Diseases, erhältlich in 6 Sprachen
Prof. Dr. Leandro Melo de Sousa, Laboratório de Ictiologia de Altamaria, Federal University of Pará (Brasil) to a current study on the effect of nutrition on fertility of Loricaridae L333 (The study will be finished in 2020.)
“We finalized the first part of the experiment comparing 4 different foods. DR. BASSLEER BIOFISH FOOD is the one that gives the best results considering sperm quality. The fishes were analyzed in the day 0 and they were all with no viable sperm cells. After 25 days of DR. BASSLEER BIOFISH FOOD the fishes presented 90 – 100 % of active sperm cells. The other brands were not so good. Another difference, as we have only few DR. BASSLEER BIOFISH FOOD left, we are giving 0.5 % of the fish weight per day, while the other brands up to 2 %. Even in lower quantities DR. BASSLEER BIOFISH FOOD presented better results!”
Specialist book:
Gerald Bassleer: Diseases in marine aquarium fish, Causes – Symptoms – Treatment
GTIN: 9789081705554
The new edition provides important information on diseases of marine aquarium fish in a simple, easy to understand language.
Specialist book:
Gerald Bassleer: The Practical Guide to Fish Diseases
The Practical Guide to Fish Disease is ideal for anyone who is concerned with keeping aquarium fish, pond fish or shrimps. The most important diseases of ornamental fish are explained in easy to understand language. Approx. 250 images help with diagnosis. The most important treatments and applications are described in detail.

Specialist book:
Gerald Bassleer: The New Illustrated Guide to Fish Diseases
This book is a lavishly-illustrated aid to making the right diagnosis, not only for the aquarium retailer or pond centre, but also for the veterinarian’s or fish doctor’s practice.

Specialist book:
Christian E. W. Steinberg: Aquatic Animal Nutrition
ISBN: 978-3-319-91766-5
The book defines gaps in the nutritional research and practice of farmed fish and invertebrates with reference to knowledge of marine and freshwater biology. It is also pointed out that the pros and cons of nutrition affect several successive generations. This suggests that a well-designed diet may have the potential to successfully improve breeding and breeding efforts.

Specialist book:
Carl D. Webster, Chhorn Lim: Nutrition and Fish Health
GTIN: 9781439800041
Diseases are a major threat to the sustainability of the fishing industry. As antibiotics have many disadvantages, it is becoming increasingly important to understand the mechanisms that make nutrition a key factor in the defense against pathogens.

Information on the probiotic *Pediococcus acidilactici* (included in each granulated DR. BASSLEER BIOFISH FOOD)
The effect of *Pediococcus acidilactici* MA 18/5M on immune responses and mRNA levels of growth, antioxidant and immune-related genes in zebrafish (*Danio rerio*), by Ehsan Ahmadifar et al., Aquaculture Reports, volume 17, July 2020
Ali Al-Hasnawi et al. University of Karbala, Iraq: Dietary probiotic *Pediococcus acidilactici* MA18/5M modulates the intestinal microbiota and stimulates intestinal immunity in rainbow trout (*Oncorhynchus mykiss*)
Effects of dietary *Pediococcus acidilactici* GY2 single or combined with *Saccharomyces cerevisiae* or/and β-glucan on the growth, innate immunity response and disease resistance of *Macrobrachium rosenbergii* (SHRIMP). By Miao et al (2020, Fish & Shellfish Immunology, Vol 98, p. 68-76)

Information on Açaí (*Euterpe oleracea*) (included in DR. BASSLEER BIOFISH FOOD ACAI)


**Information on Aloe vera**

*Aloe vera* enhances the innate immune response of pacu (*Piaractus mesopotamicus*) after transport stress and combined heat killed *Aeromonas hydrophila* infection. By Zanuzzo et al (2017, Fish & Shell Immunology, Vol. 65, 198-205)

The effects of different levels of Aloe vera extract on some of the hematological and non-specific immune parameters in Siberian sturgeon (*Acipenser baerii*) Bazari Moghaddam et al. (2017, *Iranian Journal of Fisheries Sciences* 16(4) 1234-1247)


Influence of certain herbal additives (i.e. *Aloe vera*) on the growth, survival and disease resistance of goldfish, *Carassius auratus*. By Ahilan et al. (2010, J. Vet.Sciences, 6(1) 5-11)

**Information on the freshwater algae Chlorella**

Antioxidative and immunoprotective potential of *Chlorella vulgaris* dietary supplementation against chlorpyrifos-induced toxicity in Nile tilapia. by Eman Zahran,
Samia Elbahnaswy, Engy Risha, Mansour El-Matbouli (2020-05-18, Fish Physiology and Biochemistry)
The use of macro- and microalgae as functional ingredients in diets for meagre (Argyrosomus regius) By Monteiro et al. (2018, Frontiers in Marine Science 5)
Effects of Chlorella vulgaris on blood and immunological parameters of Caspian Sea Salmon (Salmo trutta caspius) fry exposed to Viral Nervous Necrosis (VNN) virus. By Sabera et al. (2017, Iranian Journal of Fisheries Sciences, 16(2) 494-510 )
Ameliorative effects of dietary Chlorella vulgaris and β-glucan against diazinon-induced toxicity in Nile tilapia (Oreochromis niloticus). By Abdelhamid-Gehad, Elshopakey-Abeer, Aziza (2020, Fish & Shellfish Immunology, Vol 96, p. 213-222)

Information on yeast extracts (Beta glucane)
(included in DR. BASSLEER BIOFISH FOOD FORTE)
(included in DR. BASSLEER BIOFISH FOOD PROFESSIONAL CARE)
The role of β-glucan in the growth, intestinal morphometry, and immune-related gene and heat shock protein expressions of Nile tilapia (Oreochromis niloticus) under different stocking densities (Mahmoud A. O. Dawood et al)
Modulatory effect of different doses of β-1,3/1,6-glucan on the expression of antioxidant, inflammatory, stress and immune-related genes of Oreochromis niloticus challenged with Streptococcus iniae. Salah AS, El Nahas AF, Mahmoud S (2017, Fish & Shellfish immunology, Vol. 70, p. 204-2013)
Effects of dietary Pediococcus acidilactici Gy2 single or combined with Saccharomyces cerevisiae or/and β-glucan on the growth, innate immunity response and disease resistance of Macrobrachium rosenbergii (SHRIMP). By Miao et al (2020, Fish & Shellfish Immunology, Vol 98, p. 68-76)
Information on Fucoidan from seaweed (*Laminaria japonica*)
(included in DR. BASSLEER BIOFISH FOOD FUCO)


The effect of fucoidan from brown seaweed *Sargassum wightii* on WSSV resistance and immune activity in shrimp *Penaeus monodon*. By Immanuel et al., (2012, Fish Shell Immunolog. 32 (4): 551-564)


Biomedical Applications of Fucoidan, Seaweed Polysaccharides By Senthilkumar et al (2017, Seaweed polysaccharides Isolation, Biological and Biomedical Applications, p. 269-281)

Gerald Bassleer: Mycobacterium und davon ausgelöste Fischtuberkulose (Magazine "Amazonas" no. 88, p. 56-59)

Information on garlic (*Allium sativum*)
(included in DR. BASSLEER BIOFISH FOOD GARLIC)
(included in DR. BASSLEER BIOFISH FOOD PROFESSIONAL TREAT)


Dietary supplementation of garlic (*Allium sativum*) to prevent monogenean infection in aquaculture (Thane A. Militz et al., Aquaculture 2013, Page 95 – 99)


The redox-active drug metronidazole and thiol-depleting garlic compounds act synergistically in the protist parasite *Spironucleus vortens*. By Williams, Vacca, et al. (2016, Molecular & Biochemical Parasitology Vol 206, p.20-28)

Antimicrobial properties of allicin from garlic, Ankri, & Mirelman; (1999, Microbes & infection 2, p.125-129)

Epizootics of *Pseudomonas anguilliseptica* among cultured seabream (*Sparus aurata*) populations: Control and treatment strategies (Garlic); By Amr. Fadel et al. (2018, Microbial Pathogenesis, Vol. 121, pages 1-8)

Effect of Garlic and alium-derived products on the growth and metabolism of *Spironucleus vortens*; Coralie Millet et al. (2011, Experimental Parasitology 127 (490-499)

Information on Grapefruit Seed Extract (*Citrus x paradisi*)
(included in DR. BASSLEER BIOFISH FOOD GSE/MORINGA)

Effects of dietary grape seed extract, green tea extract, peanut extract and Vitamin C supplementation on metabolism and survival of greenlip abalone (*Haleotis laevigata*) cultured in high temperature. Duong et al. (2016, Aquaculture, Volume 464, p. 364-373)


Information on herbs (peppermint, thyme, mugwort, chickweed)
(included in DR. BASSLEER BIOFISH FOOD HERBAL)
(included in DR. BASSLEER BIOFISH FOOD PROFESSIONAL TREAT)

Plant-derived compounds as an alternative treatment against parasites in fish farming: a review. By Wunderlich et al. (2017, INTECH, chapter 5, Doi.x.org/10.5772)


Effects of thymol (THYME) supplementation on performance, mortality and branchial energetic metabolism in grass carp experimentally infected by *Aeromonas hydrophila* by Morselli, Baldiserra et al. (2019, Microbial Pathogenesis)
The influence of some phytobiotics (THYME) on growth performance at Oreochromis niloticus reared in intensive recirculating aquaculture system. By Antache et al. (2013, University of Agricultural Sciences and Veterinary Medicine, p. 204-208)

Information on Lapacho tree (Tabebuia impetiginosa) (included in DR. BASSLEER BIOFISH FOOD LAPACHO)

Information on matrine and oxymatrine (from Saphora flavescens) (included in DR. BASSLEER BIOFISH FOOD MATRINE)

Information on the “Miracle tree” Moringa oleifera (included in DR. BASSLEER BIOFISH FOOD GSE/MORINGA)
Dietary supplementation of drumstick tree, Moringa oleifera, improves mucosal immune response in skin and gills of seabream, Sparus aurata, and attenuates the effect of hydrogen peroxide exposure. By Abdallah Tageldein Mansour et all (2020, Fish Physiology and Biochemistry, p. 1-16)
Pomegranate peel and moringa-based diets enhanced biochemical and immune parameters of Nile tilapia with Aeromonas hydrophila. By Mohamed AliAbdel-Rahman, SaadEl-Din Hassan, El SayedMansour, Somayah M.M.Awad, WalidMonier

Information on pumpkin (Cucurbita) (included in DR. BASSLEER BIOFISH FOOD PUMPKIN)
Effect of Cucurbita mixta (L.) seed meal enrichment diet on growth, immune response and disease resistance in Oreochromis mossambicus: by Musthafa et al. (2017, Fish & Shellfish Immunology, Vol 68, p. 509-515)