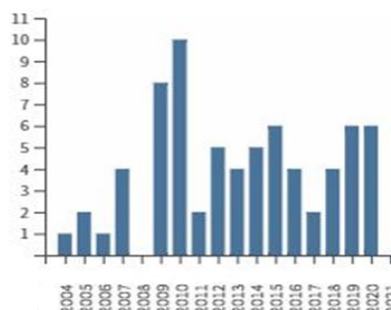
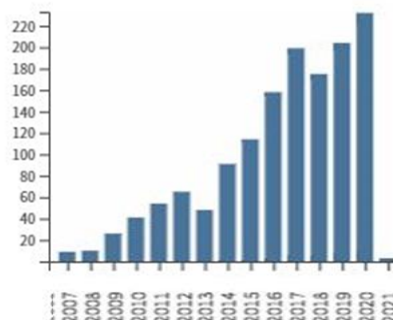


List of Publications

Total Publication by Year



Sum of Times Cited by Year



Results found: 72

Sum of the Times Cited : 1431

Sum of Times Cited without self-citations : 1262

Citing Articles : 1003

Citing Articles without self-citations : 956

Average Citations per Item : 20.44

***h-index* : 24**

Source: Web of Science, 05 December 2020

PUBLICATIONS AS FIRST AUTHOR: 19

1. Norouzitallab P*, **Baruah K***, Vanrompay D, Bossier P (2019). Teaching shrimps self-defense to fight infections. *Trends in Biotechnology*. 37(1):16-19. (IF:11.41) (Citation:05) (Biotechnology: rank 4/275) ***Shared first authorship. Top 5% in discipline**
2. Norouzitallab P*, **Baruah K***, Vanrompay D, Bossier P (2019). Can epigenetics translate environmental cues into phenotypes? *Science of the Total Environment*. 647:1281-1293. (IF:6.551) (Citation:21) (Environmental science: rank 10/132) ***Shared first authorship. Top 10% in discipline**
3. **Baruah K**, Norouzitallab P, Phong HPPD, Smagghe G, Bossier P. (2017). Enhanced resistance against *Vibrio harveyi* infection by carvacrol and its association with the induction of heat shock protein 72 in gnotobiotic *Artemia franciscana*. *Cell Stress & Chaperones*. 22(3):377-387. (IF:2.892) (Citation:13) (Biochemistry: rank 142/407). **Top 50% in discipline**
4. Norouzitallab P*, **Baruah K***, Biswas P, Vanrompay, Bossier P. (2016). Probing the phenomenon of trained immunity in invertebrates during a transgenerational study, using brine shrimp *Artemia* as a model system. *Scientific Reports* 6:21166. (IF:3.998) (Citation:01) (Multidisciplinary: rank 8/111). ***Shared first authorship. Top 10% in discipline**
5. **Baruah K**, Phong Ho PPD, Norouzitallab P, Defoirdt T, Bossier P. (2015). The gnotobiotic brine shrimp (*Artemia franciscana*) model system reveals that the phenolic compound pyrogallol protects against infection through its prooxidant activity. *Free Radical Biology & Medicine* 89:593-601. (IF:6.17) (Citation:01) (Biochemistry: rank 35/407). **Top 10% in discipline**
6. **Baruah K**, Huy TT, Norouzitallab P, Niu Y, Gupta SK, De Schryver P, Bossier P. (2015). Probing the protective mechanism of poly- β -hydroxybutyrate against vibriosis by using gnotobiotic *Artemia franciscana* and *Vibrio campbellii* as host-pathogen model. *Scientific Reports* 5: 9427. (IF:3.998) (Citation:30) (Multidisciplinary: rank 8/111). **Top 10% in discipline**

7. **Baruah K**, Norouzitallab P, Linayati L, Sorgeloos P, Bossier P. (2014). Reactive oxygen species generated by a heat shock protein (Hsp) inducing product contributes to Hsp70 production and Hsp70-mediated protective immunity in *Artemia franciscana* against pathogenic vibrios. *Developmental & Comparative Immunology*. 46(2):470-9. (IF:3.192) (Citation:32) (Immunology: rank 69/200). **Top 50% in discipline**
8. **Baruah K**, Nan B, Norouzitallab P, Dierckens K, Galindo-Villegas J, Bossier P. (2013). Priming in host-pathogen interactions (Abstracts). *Fish & Shellfish Immunology* 34:1635–1691. (IF:3.298) (Citation:09) (Aquatic Science: rank 16/219). **Top 10% in discipline**
9. **Baruah K**, Norouzitallab P, Shihao L, Sorgeloos P, Bossier P. (2013). Feeding truncated heat shock protein 70s protect *Artemia franciscana* against virulent *Vibrio campbellii* challenge. *Fish & Shellfish Immunology*: 34:183-191. (IF:3.298) (Citation:17) (Aquatic Science: rank 16/219). **Top 10% in discipline**
10. **Baruah K**, Norouzitallab P, Roberts RJ, Sorgeloos P, Bossier P. (2012). A novel heat-shock protein inducer triggers heat shock protein 70 production and protects *Artemia franciscana* nauplii against abiotic stressors. *Aquaculture*. 334-337:152–158. (IF:3.224) (Citation:23) (Aquatic Science: rank 29/219). **Top 25% in discipline**
11. **Baruah K**, Ranjan JK, Sorgeloos P, MacRae T, Bossier P. (2011). Priming the prophenoloxidase system of *Artemia franciscana* by heat shock proteins protects against *Vibrio campbellii* challenge. *Fish & Shellfish Immunology*. 31: 134-141. (IF:3.298) (Citation:36) (Aquatic Science: rank 16/219). **Top 10% in discipline**
12. **Baruah K**, Ranjan JK, Sorgeloos P, Bossier P. (2010). Efficacy of heterologous and homologous heat shock protein 70s as protective agents to *Artemia franciscana* challenged with *Vibrio campbellii*. *Fish & Shellfish Immunology*. 29:733-739. (IF:3.298) (Citation:36) (Aquatic Science: rank 16/219). **Top 10% in discipline**
13. **Baruah K**, Cam DTV, Dierckens K, Wille M, Defoirdt T, Sorgeloos P, Bossier P. (2009). *In vivo* effects of single or combined N-acyl homoserine lactone quorum sensing signals on the performance of *Macrobrachium rosenbergii* larvae. *Aquaculture*. 288: 233-238. (IF:3.224) (Citation:31) (Aquatic Science: rank 29/219). **Top 25% in discipline**
14. **Baruah K**, Pal AK, Sahu NP, Debnath D, Yengkokpam S, Norouzitallab P, Sorgeloos P. (2009). Dietary crude protein, citric acid and microbial phytase interacts to influence the hemato-immunological parameters of rohu, *Labeo rohita* juveniles. *Journal of the World Aquaculture Society*. 40: 824-831. (IF:1.451) (Citation:14) (Aquatic Science: rank 95/219). **Top 50% in discipline**
15. **Baruah K**, Sahu NP, Pal AK, Jain KK, Debnath D, Mukherjee SC. (2007). Dietary microbial phytase and citric acid synergistically enhances nutrient digestibility and growth performance of *Labeo rohita* (Hamilton) juveniles at sub-optimal protein level. *Aquaculture Research* 38: 109-120. (IF:1.748) (Citation:94) (Aquatic Science: rank 78/219). **Top 50% in discipline**
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17. **Baruah K**, Sahu NP, Pal AK, Debnath D, Yengkokpam S, Mukherjee SC. (2007). Interactions of dietary microbial phytase, citric acid and crude protein level on mineral utilization by rohu, *Labeo rohita* (Hamilton) Juveniles. *Journal of World Aquaculture Society*. 38: 238 - 249. (IF:1.451) (Citation:53) (Aquatic Science: rank 95/219). **Top 10% in discipline**
18. **Baruah K**, Pal AK, Sahu NP, Jain KK, Mukherjee SC, Debnath D. (2005). Dietary protein level, microbial phytase, citric acid and their interactions on bone mineralization of *Labeo rohita* (Hamilton) Juveniles. *Aquaculture Research*. 36: 803-812. (IF:1.748) (Citation:91) (Aquatic Science: rank 78/219). **Top 10% in discipline**
19. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2013). Inducer of heat shock protein 70: a new disease preventive option in aquaculture production systems. *Commun Agric Appl Biol Sci*. 78(4): 25-6. <http://www.ncbi.nlm.nih.gov/pubmed/25141611>.

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20. Han B, **Baruah K**, Nguyen DV, Williams DL, Devriendt B, Cox E, Bossier P. (2020). Beta-glucan's varying structure characteristics modulate survival and immune-related genes expression from *Vibrio harveyi*-infected *Artemia* in gnotobiotic conditions. *Fish & Shellfish Immunology*. 102:307-315. (IF:3.298) (Citation:01) (Aquatic Science: rank 16/219). **Top 10% in discipline**
21. Han B, **Baruah K**, Cox E, Vanrompay D, Bossier P. (2020). Structure-Functional Activity Relationship of β -Glucans from the Perspective of Immunomodulation: A Mini-Review. *Frontiers in Immunology, section Nutritional Immunology*. 11:658. (IF:5.085) (Citation:05) (Immunology: rank 87/200). **Top 50% in discipline**
22. Kumar K, **Baruah K**, Nguyen VD, Bossier P. (2019). Probing the mechanism of VPAHPND extracellular proteins toxicity purified from AHPND *Vibrio parahaemolyticus* strain in germ-free *Artemia* test system. *Aquaculture*. 504:414-419. (IF:3.224) (Citation:06) (Aquatic Science: rank 29/219). **Top 25% in discipline**
23. Kumar K, **Baruah K**, Nguyen DV, Smagghe G, Vossen E, Bossier P. (2018). Phloroglucinol mediated Hsp70 production in crustaceans: protection against *Vibrio parahaemolyticus* in *Artemia franciscana* and *Macrobrachium rosenbergii*. *Frontiers in Immunology, section Comparative Immunology*. 9:1091. (IF:5.085) (Citation:14) (Immunology: rank 87/200). **Top 50% in discipline**
24. Norouzitallab P, **Baruah K**, Dechamma MM, Bossier P. (2015). Non-lethal heat shock induces HSP70 and HMGB1 proteins sequentially to protect *Artemia franciscana* against *Vibrio campbellii*. *Fish & Shellfish Immunology* 42: 395-399. (IF: 3.298) (Citation:20) (Aquatic Science: rank 16/219). **Top 10% in discipline**
25. Hong NTX, **Baruah K**, Vanrompay D, Bossier P. (2016). Characterization of phenotype variations of luminescent and non-luminescent variants of *Vibrio harveyi* wild type and quorum sensing mutants. *Journal of Fish Diseases*. 39:317-27. (IF:2.318) (Citation:02) (Marine & Freshwater Biology: rank 28/107). **Top 50% in discipline**
26. Norouzitallab P, **Baruah K**, Vandegehuchte M, Van Stappen G, Catania F, Vanden Bussche J, Vanhaecke L, Sorgeloos P, Bossier P. (2014). Environmental heat stress induces epigenetic transgenerational inheritance of robustness in parthenogenetic *Artemia* model. *FASEB J*. 8:3552-63. (IF:4.966) (Citation:49) (Biotechnology: rank 63/275). **Top 25% in discipline**
27. Najdegerami EH, **Baruah K**, Shiri A, Rekecki A, Van den Broeck W, Sorgeloos P, Boon N, Bossier P, De Schryver P. (2013). Siberian sturgeon (*Acipenser baerii*) larvae fed *Artemia* nauplii enriched with poly- β -hydroxybutyrate (PHB): effect on growth performance, body composition, digestive enzymes, gut microbial community, gut histology and stress tests. *Aquaculture Research*. 46: 801–812. (IF:1.748) (Citation:28) (Fisheries: rank 20/53). **Top 50% in discipline**
28. Wang L, **Baruah K**, Fan T, Yu M, Bossier P. (2010). Influence of heat shock proteins (Hsps) induction in different yeast cell wall mutants on the protection against *Vibrio campbellii* infection in gnotobiotically grown *Artemia franciscana* (Kellogg). *Journal of Fish Diseases*. 33:919-923. (IF:2.318) (Citation:01) (Marine & Freshwater Biology: rank 28/107). **Top 50% in discipline**

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29. Zakariaei H, Sudagar M, Hoseini SS, Paknejad H, **Baruah K** (2020). The effect of using synbiotics produced from button mushroom extract with two species of lactic acid bacteria on activity of digestive enzymes, Body composition, growth and intestinal microbial flora in Zebrafish (*Danio rerio*). *Journal of Marine Sciences and Technology* (in press).
30. Nhi HYN, Trinh LT, Chau DT, **Baruah K**, Torbjörn L, Kiessling A. (2019). Spent brewer's yeast as a replacement for fishmeal in diets for giant freshwater prawn (*Macrobrachium rosenbergii*), reared in either clear water or a biofloc environment. *Aquaculture Nutrition*. 25(4): 970-979. (IF:2.231) (Citation:06) (Aquatic Science: rank 38/219). **Shared senior authorship Top 25% in discipline**

31. Yengkokpam S, Debnath D, Sahu NP, Pal AK, Jain KK, **Baruah K.** (2016). Dietary protein enhances non-specific immunity, anti-oxidative capability and resistance to *Aeromonas hydrophila* in *Labeo rohita* fingerlings pre-exposed to short feed deprivation stress. *Fish & Shellfish Immunology*. 59:439-446. (IF:3.298) (Citation:14) (Aquatic Science: rank 16/219). **Top 10% in discipline**
32. Sarma K, Pal AK, George G, **Baruah K.** (2015). Effect of sub-lethal concentration of endosulfan on lipid and fatty acid metabolism of spotted murrel, *Channa punctatus*. *Journal of Environmental Biology*. 3:451-454. (IF:0.781) (Citation:03) (Toxicology: rank 98/116). **Top 85% in discipline**
33. Yengkokpam S, Debnath D, Pal AK, Sahu NP, Jain KK, Norouzitallab P, **Baruah K.** (2013). Short-term periodic feed deprivation in *Labeo rohita* fingerlings: effect on the activities of digestive, metabolic and anti-oxidative enzymes. *Aquaculture*. 412-413:186-192. (IF:3.224) (Citation:33) (Aquatic Science: rank 29/219). **Top 25% in discipline**
34. Rama R, Pal AK, Usha Rani MV, Dalvi RS, **Baruah K.** (2013). Increasing acclimation temperatures and persistent sub-lethal chlorine exposure influence the activities of key metabolic enzymes in *Labeo rohita* (Hamilton, 1822) fingerlings. *International Journal of Science, Environment and Technology*. 2: 580 – 592.
35. Xavier B, Sahu NP, Pal AK, Jain KK, Misra S, Dalvi RS, **Baruah K.** (2012). Water soaking and exogenous enzymes treatment of plant-based diets: Effect on growth performance, whole-body composition, and digestive enzyme activities of rohu, *Labeo rohita* fingerlings. *Fish Physiology & Biochemistry* 38: 341-53. (IF:2.242) (Citation:12) (Aquatic Science: rank 73/219). **Top 50% in discipline**
36. Mandal SC, Kohli MPS, Sahu NP, Das P, Singh SK, Sarma K, **Baruah K.** (2012). Effect of substituting live feed with formulated feed on reproductive performance and fry survival of Siamese fighting fish *Betta splendens* (Regan, 1910). *Fish Physiology & Biochemistry*. 38: 573-584. (IF:2.242) (Citation:02) (Aquatic Science: rank 73/219). **Top 50% in discipline**
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38. Dalvi RS, Pal AK, Tiwari LR, **Baruah KB.** (2012). Influence of acclimation temperature on the induction temperatures of heat shock protein 70 in the catfish *Horabagrus brachysoma* (Günther). *Fish Physiology & Biochemistry*. 38:919-27. (IF:2.242) (Citation:15) (Aquatic Science: rank 73/219). **Top 50% in discipline**
39. Debnath D, Pal AK, Sahu NP, Jain KK, Yengkokpam S, **Baruah K.** (2012). Digestive and metabolic responses towards diet optimization in *Labeo rohita*. *Journal of the Inland Fisheries Society of India*: 44(2): 1-19.
40. Debnath D, Pal AK, Sahu NP, Jain KK, Yengkokpam S, **Baruah K.** (2012). Protein requirement of *Labeo rohita* fingerlings based on growth and ammonia excretion. *Journal of the Inland Fisheries Society of India*: 44: 12-20.
41. Sarma K, Pal AK, **Baruah K.** (2011). Alterations of the ionic composition in different organs of spotted murrel (*Channa punctatus*) exposed to sublethal concentration of endosulfan. *Turkies Journal of Fisheries and Aquatic Sciences*. 11: 93-99. (IF:0.869) (Citation:02) (Aquatic Science: rank 143/219). **Top 75% in discipline**
42. Sarma K, Pal AK, Ayyapan S, Das T, Manush SM, Debnath D, **Baruah K.** (2010). Acclimation of *Anabas testudineus* (Bloch) to three test temperatures influences thermal tolerance and oxygen consumption. *Fish Physiology & Biochemistry*. 36: 85-90. (IF:2.242) (Citation:26) (Aquatic Science: rank 73/219). **Top 50% in discipline**
43. Gupta SK, Pal AK, Sahu NP, Dalvi RS, Akhtar MS, Jha AK, **Baruah K.** (2010). Dietary microbial levan enhances tolerance of *Labeo rohita* (Hamilton) juveniles to thermal stress. *Aquaculture*. 306: 398-402. (IF:3.224) (Citation:30) (Aquatic Science: rank 29/219). **Top 25% in discipline**
44. Sarma K, Pal AK, Sahu NP, Mukherjee SC, **Baruah K.** (2010). Biochemical and histological changes in the brain tissue of spotted murrel, *Channa punctatus* (Bloch), exposed to endosulfan. *Fish Physiology & Biochemistry*. 36:597-603. (IF:2.242) (Citation:08) (Aquatic Science: rank 73/219). **Top 50% in discipline**

45. Dalvi RS, Pal AK, Tiwari LR, Das T, **Baruah K.** (2009). Thermal tolerance and oxygen consumption of the catfish *Horabagrus brachysoma* (Günther) acclimated to different temperatures. *Aquaculture*. 295: 116–119. (IF:3.224) (Citation:51) (Aquatic Science: rank 29/219). **Top 25% in discipline**
46. Sarma K, Pal AK, Sahu NP, Ayyappan S, **Baruah K.** (2009). Dietary high protein and vitamin C mitigates endosulfan toxicity in the spotted murrel, *Channa punctatus* (Bloch, 1793). *Science of the Total Environment*. 407: 3668–3673. (IF:6.551) (Citation:43) (Environmental Science: rank 10/132). **Top 10% in discipline**
47. Das T, Pal AK, Chakraborty SK, Manush SM, Dalvi RS, Apte SK, Sahu NP, **Baruah K.** (2009). Biochemical and stress responses of rohu *Labeo rohita* and mrigal *Cirrhinus mrigala* in relation to acclimation temperatures. *Journal of Fish Biology*. 74: 1487–1498. (IF:1.487) (Citation:06) (Fisheries: rank 24/53). **Top 50% in discipline**
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52. Romano N, Renukdas N, Fischer H, Shrivastava J, **Baruah K,** Egniew N, Sinha AK (2020). Differential modulation of oxidative stress, antioxidant defense, histomorphology, ion-regulation and growth marker gene expression in goldfish (*Carassius auratus*) following exposure to different dose of virgin microplastics. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*. 238: 108862. (IF:2.892) (Aquatic Science: rank 39/219). **Top 25% in discipline**
53. Han B, Zheng X, **Baruah K,** Bossier P. (2020). Sodium ascorbate as a quorum-sensing inhibitor leads to decreased virulence in *Vibrio campbellii*. *Frontiers in Immunology, section Antimicrobials, Resistance and Chemotherapy*. 11:1054. (IF:4.235) (Microbiology: rank 34/147). **Top 25% in discipline**
54. Kumar V, Roy S, **Baruah K,** Van Haver D, Impens F, Bossier P (2020). Environmental conditions steer phenotypic switching in AHPND-causing *Vibrio parahaemolyticus*, affecting PirAB^{VP} toxin production. *Environmental Microbiology*. 22(10): 4212-4230. (IF:5.147) (Citation:03) (Agricultural & Biological Sciences: rank 26/629). **Top 5% in discipline**
55. Kumar K, De Bels L, Couck L, **Baruah K,** Bossier P, Van den Broeck W, (2019). PirAB toxin binds to epithelial cells of the digestive tract and produce pathognomonic AHPND lesions in germ-free brine shrimp. *TOXINS*. 11(12): 717. (IF:3.531) (Citation:04) (Environmental Science: rank 29/1228). **Top 5% in discipline**
56. Biao H, Vaneet IK, **Baruah K,** Nguyen VD, Bossier P. (2019). High doses of sodium ascorbate act as a prooxidant and protect gnotobiotic brine shrimp larvae (*Artemia franciscana*) against *Vibrio harveyi* infection coinciding with heat shock protein 70 activation. *Development & Comparative Immunology* 92:69-76. (IF:3.192) (Citation:08) (Immunology: rank 69/200). **Top 50% in discipline**

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58. Dalvi RS, Das T, Debnath D, **Baruah K**, Tiwari LR, Pal AK. (2017). Metabolic and cellular stress responses of catfish, *Horabagrus brachysoma* (Günther) acclimated to four different temperatures. *Journal of Thermal Biology*.65:32-40. (IF:2.361) (Citation:24) (Agricultural & Biological Sciences: rank 38/203). **Top 25% in discipline**
59. Nancy N, De Schryver P, Wille M, Dierckens K, **Baruah K**, Van Stappen G. (2018). Bacteria as food in aquaculture: do they make a difference? *Reviews in Aquaculture*. 10(1): 180-212. (IF:7.772) (Citation:16) (Aquatic Science: rank 2/219; Fisheries: rank 1/53). **Top 1% in discipline**
60. El-Magsodi MO, **Baruah K**, Norouzitallab P, Bossier P, Sorgeloos P, Van Stappen G. (2016). Hydration-dehydration cycles imposed on *Artemia* cysts influence the tolerance limit of nauplii against abiotic and biotic stressors. *Aquaculture International*. 24: 429-439. (IF:1.363) (Citation:01) (Aquatic Science: rank 91/219). **Top 50% in discipline**
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62. Niu Y, Defoirdt T, **Baruah K**, Van de Wiele T, Dong S, Bossier P. (2014) *Bacillus* sp. LT3 improves the survival of gnotobiotic brine shrimp (*Artemia franciscana*) larvae challenged with *Vibrio campbellii* by enhancing the innate immune responses and by decreasing the activity of shrimp-associated *Vibrio*. *Veterinary Microbiology*. 173:279–288. (IF:3.030) (Citation:19) (General veterinary: rank 6/178). **Top 5% in discipline**
63. Niu Y, Norouzitallab P, **Baruah K**, Dong S, Bossier P. (2014). A plant-based heat shock protein inducing compound modulates host-pathogen interactions between *Artemia franciscana* and *Vibrio campbellii*. *Aquaculture*. 430:120–127. (IF:3.224) (Citation:12) (Aquatic Science: rank 29/219). **Top 25% in discipline**
64. Defoirdt T, Pande GSJ, **Baruah K**, Bossier P. (2013). The apparent quorum sensing inhibitory activity of pyrogallol is a side effect of peroxide production. *Antimicrobial Agents and Chemotherapy*. 57:2870-3. (IF:4.715) (Citation:24) (Pharmacology: rank 28/301). **Top 10% in discipline**
65. Das T, Chakraborty SK, Sahu NP, Chatterjee N, Manush SM, Dalvi RS, **Baruah K**, Pal AK. (2013). Ultrastructural alterations in the gills of *Labeo rohita* fingerlings exposed to thermal extremes. *Journal of Veterinary Medicine Series C: Anatomy, Histologia, Embryologia*. 43:75-80. (IF:0.696) (Citation:01) (Veterinary Sciences: rank 96/141). **Top 75% in discipline**
66. De Schryver P, Sinha AK, Kunwar PS, **Baruah K**, Verstraete W, Boon N, De Boeck G, P Bossier. (2010). Poly- β -hydroxybutyrate (PHB) increases growth performance and intestinal bacterial range-weighted richness in juvenile European sea bass, *Dicentrarchus labrax*. *Applied Microbiology and Biotechnology*. 86:1535-1541. (IF:3.530) (Citation:106) (Applied Microbiology & Biotechnology: rank 16/105). **Top 25% in discipline**
67. Gunasekara RAYSA, Rekecki A, **Baruah K**, Bossier P, Van den Broeck W. (2010). Evaluation of probiotic effect of *Aeromonas hydrophila* on the development of the digestive tract of germ-free *Artemia franciscana* nauplii. *Journal of Experimental Marine Biology and Ecology*. 393:78-82. (IF:2.247) (Citation:13) (Aquatic Science: rank 33/219). **Top 25% in discipline**
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69. Debnath D, Pal AK, Sahu NP, Yengkokpam S, **Baruah K**, Choudhury D, Venkateshwarlu G. (2007). Digestive enzymes and metabolic profile of *Labeo rohita* fingerlings fed diets with different crude protein levels.

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RESEARCH ARTICLES SUBMITTED AND ARE UNDER REVIEW

1. Pande GSJ, Nguyen ND, Kashem MA, **Baruah K**, Bossier P (2020). Acute hepatopancreatic necrosis disease (AHPND) toxin degradation by different *Bacillus* strains. *Aquaculture* (Major revision) (IF: 3.224).
2. Nhi HYN, Chau DT, **Baruah K**, Torbjörn L, Kiessling A. (2020). Growth and feed utilization of Nile tilapia (*Oreochromis niloticus*) fed different protein levels in a clear-water or biofloc-RAS system. *Aquaculture* (Minor revision) (IF: 3.224).

BOOK CHAPTERS

1. Norouzitallab P*, **Baruah K***, Ronald I, Sorgeloos P, Bossier P, Vanrompay D. (2020). Epigenetic Management of Disease Resistance in Farmed Shrimps. In: Alday V (editor). *The Shrimp Book II*. 5m Publishing, UK (in press). ***Shared first authorship**
2. Norouzitallab P, **Baruah K**, Bossier P, Vanrompay D. (2019). Non-mammalian model Organisms in Epigenetic Research: An Overview. In: Tollefsbol T (editor). *Transgenerational epigenetics*. Elsevier/academic press. 13: 251-61.
3. **Baruah K**, Norouzitallab P, Bossier P. (2018). Heat Shock Proteins in Fish Health and Disease: A Pharmacological Perspective. In: Asea AAA, Kaur P (Editors). *Heat Shock Proteins in Veterinary Science*. Springer International Publishers, Dordrecht, The Netherlands. 12:197-213
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1. **Baruah K**, Norouzitallab P, Pal AK. (2011). Development of Nutrient Delivery System: A Prime Necessity for Success in Aquaculture. *European Aquaculture Magazine*. 36(2): 25-28.
2. **Baruah K**, Norouzitallab P, Bossier P. (2011). Biofloc Technology: An Ideal Approach towards Sustainable Aquaculture. *Aquaculture Europe Magazine*. 36 (3): 20-23.
3. **Baruah K**, Norouzitallab P, Bossier P, Sorgeloos P. (2009). Quorum sensing disruption: A novel approach to combat disease in aquaculture. *World Aquaculture Magazine*. 40 (4):14-16.

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6. **Baruah K**, Sahu NP, Pal AK, Debnath D. (2004). Dietary Phytase: An ideal approach for a cost-effective and low polluting aquafeed. *NAGA, World Fish Centre Quarterly Magazine*, 27 (3 & 4): 15-19.
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8. Sinha AK, Norouzitallab P, **Baruah K**. (2009). Antimicrobial Peptide: A Possible Therapeutic in Aquaculture. *World Aquaculture Magazine*. 40 (4): 50-53.
9. Sinha AK, **Baruah K**, Bossier P. (2008). The Potential Use of Biofloc as an Anti-infective Strategy in Aquaculture: An Overview. *Aquaculture Health International Magazine*. 13: 8-10.
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SCIENTIFIC COMMUNICATIONS

AS FIRST AUTHOR: 31 [KEYNOTE 02; INVITED/GUEST SPEAKER 08]

1. **Baruah K**, Sorgeloos P (2020). Can aquaculture become the blue biotechnology of the future? World Fisheries Day 2020. ICAR – Directorate of Coldwater Fisheries Research, India, November 21, 2020 (**Invited speaker**).
2. **Baruah K** (2020). Host-pathogen interactions in the aquatic food production systems: can nutraceuticals tip the balance? TECNOVIT 1st Technical Aquaculture World-wide Webinar, 21 April, 2020 (**Invited speaker**)
3. **Baruah K** (2019). Management of Health and Disease in Farmed shrimps: Holistic Strategies, the need of the hour. The 9th International Conference of Aquaculture Indonesia, October 3-5, 2019. Surabaya, Indonesia (**Invited speaker**).
4. **Baruah K** (2019). Targeting heat shock proteins by polyphenols to fight infections. International conference of food safety and health 2019, Nov 26-28, 2019. Taichung city, Taiwan (**Invited speaker**).
5. **Baruah K** (2018). Artemia as model organism in biological research. Department of Aquaculture, Bogor Agricultural University, Bogor, Indonesia (**Guest speaker**).
6. **Baruah K** (2019). Probing the biological activities of bioactive compounds using gnotobiotic Artemia as toolbox. SLU Aquaculture Workshop, 12th March, 2019 (oral presentation).
7. **Baruah K**, Bossier P. (2018). Plant-derived compounds in aquaculture health management: From the modes of action to practical application. AQUA 2018 Conference, Montpellier, France. August 25-29, 2018 (oral presentation).
8. **Baruah K**, Bossier P, Norouzitallab P, Defoirdt T, Sorgeloos P (2018). Omnibiotic in aquaculture: Can insight into the mode of action improve health management? The 2nd International Conference on Aquaculture Biotechnology, October 11-12, 2018, Bogor Indonesia (**Keynote speaker**).
9. **Baruah K**, Bossier P, Norouzitallab P, Defoirdt T, Sorgeloos P. (2018). Recent developments in global shrimp health management. Euroshrimp session, AQUA 2018 Conference, Montpellier, France. August 25-29, 2018 (**Invited speaker**).
10. **Baruah K**, Norouzitallab P, Bossier P. (2018). The brine shrimp *Artemia*, more than a live feed for aquaculture. Official Opening of Asian Regional Artemia Reference Center & Workshop on the use of Artemia in Research and Aquaculture Applications in China. Tianjin, China. 16-17th April. 2018 (**Invited speaker**).

11. **Baruah K**, Bossier P. (2017). Omnibiotic in aquaculture: can insight in mode of action improve health management? The 1st Aquatic Animals Health Industry Summit Forum & Formulators Workshop. 11-12th October 2017. Qingdao, China (**Keynote Speaker**).
12. **Baruah K**, Norouzitallab P, Bossier P. (2017). Plant-derived compounds for fish and shellfish larviculture: from the modes of action to perspectives of practical application. Larvi 2017 7th Fish & Shellfish Larviculture Symposium. 4-7 September 2017, Ghent, Belgium (Oral Presentation).
13. **Baruah K**, Norouzitallab P, Bossier P. (2016). A phenolic compound induces the expression of molecular chaperone hsp70 in *Artemia* host by modification of the histone proteins. Epiconcept workshop - Cross-species Epigenetics, Gametogenesis and Embryogenesis. 18-19 May 2016, Velingrad, Bulgaria (Oral Presentation).
14. **Baruah K**, Norouzitallab P, Bossier P (2015). The gnotobiotic brine shrimp (*Artemia franciscana*) model system reveals that the phenolic compound pyrogallol protects against infection through its prooxidant activity. 4th Annual Symposium, Society of Biological Chemists (India), Coastal Karnataka Chapter, 14th November, 2015, Mangalore, India (Oral Presentation).
15. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2015). The brine shrimp *Artemia* as potential model organism for biomedical research. Innovative Approaches to Explore Novel Druggable Targets. 2015 Seoul National University Cancer Research Institute Symposium. April 1st-4th, 2015, Hwansun, South Korea (**Invited Speaker**).
16. **Baruah K**, Dechamma MM, Mwainge VM, Teshome B, Norouzitallab P, Bossier P. (2014). The gnotobiotic *Artemia franciscana* test (GART) system reveals the prooxidant action of a plant phloroglucinol contributing to *Vibrio* resistance. 7th International Conference and Exhibition on Nutraceuticals and Functional Foods, October 14-17, 2014, Istanbul, Turkey (Oral Presentation).
17. **Baruah K**, Mwainge VM, Teshome B, Norouzitallab P, Bossier P. (2014). Compound Hspi-P, an inducer of heat shock protein (Hsp) 70, induces *hsp70* gene transcription in *Artemia* by modification of the histone proteins. Epiconcept conference - Epigenetics and Periconception Environment, COST Action FA1201, 01-03 October 2014, Vilamoura, Portugal (Poster Presentation).
18. **Baruah K**, Dechamma MM, Norouzitallab P, Bossier P. (2014). The gnotobiotic *Artemia franciscana* model organism system (GART) reveals the prooxidant action of the polyphenol phloroglucinol contributing to *Vibrio* resistance. The 8th World Congress on Polyphenols Applications. June 5 – 6, 2014. Lisbon, Portugal (Poster Presentation).
19. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2013). Inducer of heat shock protein 70: a new disease preventive option in aquaculture production systems. Larvi 2013 - 6th Fish & Shellfish Larviculture Symposium Ghent University, Belgium 2-5 September 2013 (Oral Presentation).
20. **Baruah K**, Nan B, Norouzitallab P, Dierckens K, Galindo-Villegas J, Bossier P. (2013). Priming in host-pathogen interactions. The First International Conference of Fish and Shellfish Immunology, June 25 - 28, 2013, Vigo, Spain (Oral Presentation).
21. **Baruah K** (2013). Interdisciplinary approach to understand the emergence and control of disease in aquaculture production systems. Sustainable Aquatic Food Supply - A European Workshop Generating Interdisciplinary Research Projects, Berlin-Brandenburg Academy of Sciences and Humanities, Germany. 11-12th March, 2012, Berlin, Germany.
22. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2012). Heat shock protein 70 and its inducer: potential modalities to combat diseases in aquaculture production systems. Global symposium on "Aquatic resources for eradicating hunger and malnutrition: Opportunities and challenges", Mangalore, India, December 4 - 6, 2012 (Oral Presentation).
23. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2012). A novel heat shock protein inducer generates protective immunity in *Artemia franciscana* nauplii against pathogenic *Vibrio campbellii*. 36th Larval Fish Conference, 2-6th July, 2012, Bergen, Norway (for Oral Presentation).

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25. **Baruah K**, Ranjan JK, Sorgeloos P, Bossier, P. (2011). Priming the Prophenoloxidase System of *Artemia franciscana* by Heat Shock Proteins Protects against *Vibrio campbellii* Challenge. Aquaculture Europe 2011 Conference. October 18 - 21, 2011 - Rhodes, Greece (Oral Presentation).
26. **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2011). Heat shock protein 70s as protective agents to *Artemia franciscana* challenged with *Vibrio campbellii*. Faculty of Bioscience Engineering research meeting on Host-microbe interaction, Ghent University, Belgium. 19th December, 2011 (Poster Presentation).
27. **Baruah K**, Ranjan JK, Sorgeloos P, Bossier P. (2009). Efficacy of homologous and heterologous heat shock protein 70s as protective agents to gnotobiotic *Artemia franciscana* challenged with *Vibrio campbellii*. Aquaculture Europe 2010 Conference. Porto, Portugal. October 5-8 (Poster Presentation).
28. **Baruah K**, Pal AK, Sahu NP, Debnath D, Yengkokpam S, Norouzitallab P, Sorgeloos P. (2008). Interaction of dietary protein, citric acid and microbial phytase on the immune system of *Labeo rohita* juveniles. Aquaculture Europe 2008 conference, Krakow, Poland, September, 15-18, 2008 (Poster Presentation).
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31. **Baruah K**, Bossier P, Andersen JH, Hoskin S, Baker B, Dobson AW. (2017). NEPTUNA – applying novel extraction processes to algal source materials. 47th Conference of the West European Fish Technologists’ Association. 9-12 October 2017. Dublin, Ireland (Oral presentation).

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32. Norouzitallab P, **Baruah K**, Vanrompay D, Bossier P (2018). Innate immunity of the brine shrimp *Artemia* shows long-lasting antibacterial features: phenomenon verified during a transgenerational study. AQUA 2018 Conference, Montpellier, France. August 25-29, 2018 (oral presentation).
33. Norouzitallab P, **Baruah K**, Vanrompay D, Bossier P. (2017). The brine shrimp *Artemia* as a model organism for epigenetic studies. Larvi 2017 7th Fish & Shellfish Larviculture Symposium. 4-7 September 2017, Ghent, Belgium (Poster Presentation).
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36. Norouzitallab P, **Baruah K**, Bossier P. (2017). Mild stress is beneficial in host microbial interactions: within generation and transgenerational experiments. First International Fish – Microbiota Workshop. Trondheim, Norway, 19th – 21st June 2017 (Oral Presentation).
37. Norouzitallab P, **Baruah K**, Vanrompay D, Bossier P. (2017). The brine shrimp *Artemia* as a model organism for epigenetic studies. Larvi 2017 - 7th Fish & Shellfish Larviculture Symposium. 4-7 September 2017, Ghent, Belgium (Oral Presentation).

38. Norouzitallab P, **Baruah K**, Vanrompay D, Bossier P. (2016). Probing the phenomenon of trained immunity in invertebrates during a transgenerational study, using brine shrimp *Artemia* as a model system. Epiconcept workshop - Cross-species Epigenetics, Gametogenesis and Embryogenesis. 18-19 May 2016, Velingrad, Bulgaria (Oral Presentation).
39. Norouzitallab P, **Baruah K**, Vandegehuchte M, Van Stappen G, Sorgeloos P, Bossier P. (2015). Environmental heat stress induces epigenetic transgenerational inheritance of robustness in parthenogenetic *Artemia* model. Middle East & Central Asia Aquaculture 2015 Conference, 14-16 December, 2015, Tehran, Iran (Oral Presentation).
40. Norouzitallab P, **Baruah K**, Vandegehuchte M, Van Stappen G, Catania F, Sorgeloos P, Bossier P. (2013). Epigenetic control of phenotypes relevant for aquaculture species. Epiconcept Workshop 2013. Epigenetics for Improved Food Production: from Model to Practice, 13-16 October 2013, Sant Feliu de Guíxols, Spain (Oral presentation).
41. Nan B, **Baruah K**, Norouzitallab P, Sorgeloos P, Bossier P. (2013). What can we learn from *Artemia* gnotogenomics? Larvi 2013 - 6th Fish & Shellfish Larviculture Symposium Ghent University, Belgium 2-5 September 2013 (Oral Presentation).
42. Norouzitallab P, **Baruah K**, Vandegehuchte M, Van Stappen G, Catania F, Sorgeloos P, Bossier P. (2013). Brine shrimp (*Artemia*) as an emerging model organism for epigenetic studies in aquaculture. Larvi 2013 - 6th Fish & Shellfish Larviculture Symposium Ghent University, Belgium 2-5 September 2013 (Oral Presentation).
43. Norouzitallab P, **Baruah K**, Sorgeloos P, Bossier P. (2012). Protective Effect of Truncated Heat Shock Protein 70s on *Artemia franciscana* Against Pathogenic *Vibrio campbellii* challenge. Larvi 2012: The First International Conference on Larviculture, Tehran, Iran, organized by the Iranian Aquaculture Society, 11-12 December, 2012 (Oral Presentation).
44. Norouzitallab P, **Baruah K**, Sorgeloos P, Bossier P. (2012). Pretreatment of *Artemia franciscana* with a heat shock protein inducer protects against pathogenic *Vibrio campbellii*. AQUA 2012 (World Aquaculture Conference). Prague, Czech Republic, September 1- 5, 2012 (Oral Presentation).
45. Norouzitallab P, **Baruah K**, Sorgeloos P, Bossier P. (2012). An heat shock protein-inducing compound, Tex-OE®, protects *Artemia franciscana* nauplii against *Vibrio campbellii* by eliciting the innate immune system. Workshop on microbial community management in aquaculture. August 20-22, 2012, Ghent University, Ghent, Belgium (Poster Presentation).
46. Norouzitallab P, **Baruah K**, Sorgeloos P, Bossier P. (2011). Feeding truncated heat shock protein 70s protect *Artemia franciscana* against virulent *Vibrio campbellii* challenge. Aquaculture Europe 2011 Conference. October 18 - 21, 2011 - Rhodes, Greece (Oral Presentation).
47. Norouzitallab P, **Baruah K**, Vandegehuchte M, Van Stappen G, Catania F, Sorgeloos P, Bossier P. (2014). Environmental heat stress induces epigenetic inheritance of robustness in *Artemia* model. BIS Annual Meeting 2014. Immunology of zoonotic infections in animal models, September 19th 2014. Ghent, Belgium (Poster presentation).
48. Norouzitallab P, **Baruah K**, Van Stappen G, Vuylsteke M, De Vos S, Sorgeloos P, Bossier P. (2014). Environmental heat stress induces epigenetic inheritance of robustness in *Artemia* model. Epiconcept conference 2014. Epigenetics and periconception environment. 1 – 3 October, Vilamoura, Portugal (Oral presentation).

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49. Singh A, Karimi S, Vidakovic A, Langeland M, Dicksved J, **Baruah K**, Kiessling A, Torbjörn L. (2019). Digestibility of filamentous algae in rainbow trout – in connection to intestinal flora. AQUA2019, Berlin, Germany, October 7-10, 2019.

50. Yengkokpam S, Debnath D, Sahu NP, Pal AK, Jain KK, **Baruah K.** (2014). Dietary protein influences immunity, disease resistance and anti-oxidative status of *Labeo rohita* fingerlings pre-exposed to short feed deprivation. The 10th Indian Fisheries and Aquaculture Forum, November 12-15, 2014, Lucknow, India, organized by AFSIB and NBFGR. (Oral presentation).
51. Debnath D, Pal AK, Sahu NP, Yengkokpam S, Biswas P, **Baruah K.** (2011). Diet composition influences pyruvate kinase and alanine amino-transferase activity and kinetics in *Labeo rohita* fingerlings. Asian-Pacific Aquaculture, January 17-20, 2011, Kochi, Kerala, India (Poster presentation).
52. Debnath D, Pal AK, Sahu NP, Yengkokpam S, Sukumaran K, **Baruah K.** (2011). Effect of dietary protein level on muscle fatty acid profile, liver and intestinal histology of *Labeo rohita* fingerlings. Asian-Pacific Aquaculture, January 17-20, 2011, Kochi, Kerala, India (Poster presentation).
53. Xavier B, Sahu NP, Pal AK, Jain KK, Norouzitallab P, **Baruah K.** (2009). Effect of water soaking and enzymes treatment of plant-based diets on growth and digestive enzymes activities of *Labeo rohita* fingerlings. World Aquaculture 2009, Veracruz, Mexico, September 25-29 (Oral presentation).
54. Norouzitallab P, Farhangi M, Babapour M, Sinha AK, **Baruah K.** (2008). Efficacy of dietary α -tocopherol and DL- α -tocopheryl acetate alone or in combination with ascorbic acid for angelfish, *Pterphyllum scalare*, juveniles. Aquaculture Europe 2008 conference, Krakow, Poland, September, 15-18, 2008 (Poster presentation).
55. Debnath D, Pal AK, Sahu NP, Yengkokpam S, **Baruah K.** (2007). Effect of dietary protein level on growth performance, body composition and ammonia excretion in *Labeo rohita* fingerlings. The 8th Asian Fisheries Forum, Kochi, India. 20th to 23rd November, 2007 (Oral presentation).
56. Norouzitallab P, Farhangi M, Babapour M, **Baruah K.** (2007). Supplementation of phytase in aquafeed and their role in sustainable aquaculture. The first special conference on research of Environmental resource, Free University of Tehran, Shomal, Iran. 15th December, 2007. Pp 69 (Poster presentation).
57. Debnath D, Pal AK, Sahu NP, Yengkokpam S, Sukumaran K, **Baruah K.** (2008). Digestive and metabolic responses towards diet optimization in *Labeo rohita*. Presented for Young Scientist Award at 8th Indian Fisheries Forum, Kolkata, November 22-25, 2008, and awarded *Young Scientist Award 2008* of the Asian Fisheries Society (Indian Branch) (Oral presentation).
58. Debnath D, Sahu NP, Pal AK, Yengkokpam S, Choudhury D, **Baruah K.** (2005). Metabolic enzymes in muscle and gills of *Labeo rohita* fingerlings in response to dietary protein. The 7th Indian Fisheries Forum. Bangalore, Karnataka, India. 8 – 12 November. Pp. 25 (Poster presentation).

OTHER PRESENTATION

59. Dey BK, Bossier P, **Baruah K,** Kumar V. (2019). Towards controlling acute hepatopancreatic necrosis disease in farmed shrimp, using bioactive compound phloroglucinol. Agricultural Research for Development Conference, Agri4D 2019 Zero hunger by 2030, our shared challenge! Drivers of change and sustainable food systems. 25-26 September 2019. Swedish University of Agricultural Sciences, SLU Uppsala, Sweden (Oral Presentation).
60. Laranja JLQ, Nguyen DV, Pascual GL, Amar EC, **Baruah K,** De Schryver P, Bossier P. (2017). Molecular cloning of phasin protein from *Bacillus* sp. JI47 and its effects on the survival of gnotobiotic *Artemia* during a *Vibrio campbellii* challenge. Larvi 2017 7th Fish & Shellfish Larviculture Symposium. 4-7 September 2017, Ghent, Belgium (Poster Presentation).
61. Corteel M, Bequé E, Wille M, Yufeng N, **Baruah K,** De Wolf T, Phuthongphan R, Franchi G, Drouillon M, Bossier P, Rombaut G, Lavens P. (2015). Improving the health status of aquatic organisms by combined microbial management and induction of heat shock protein chaperones. Aquaculture 2015: Cutting Edge Science in Aquaculture. 23 - 26 August 2015 | Le Corum, Montpellier, France (Oral presentation).
62. Corteel M, Bequé E, Wille M, Yufeng N, **Baruah K,** De Wolf T, Phuthongphan R, Drouillon M, Bossier P, Rombaut G, Lavens P. (2015). Improving the health status of aquatic organisms by combined microbial management and

- induction of heat shock protein chaperones. Aquaculture Europe 2015: Rotterdam, The Netherlands October 20-23, 2015 (Oral presentation).
63. Corteel M, Bequé E, Wille M, Yufeng N, **Baruah K**, Bossier P, Rombaut G. (2014). Selective bactericidal and heat-shock protein inducing compounds for disease control in shrimp. 9th Symposium on Diseases in Asian Aquaculture. 24-28 November, Ho Chi Minh City, Vietnam (Poster presentation).
 64. De Schryver P, Defoirdt T, **Baruah K**, Bossier P. (2011). Host-microbe manipulation strategies in larval aquaculture. Faculty of Bioscience Engineering research meeting on Host-microbe interaction, Ghent University, Belgium. 19th December, 2011 (Poster Presentation).
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 66. Defoirdt T, Ruwandeepika HAD, Ikhsan N, **Baruah K**, Nhan DT, Tinh NTN, Karunasagar I, Boon N, Bossier P. (2010). Quorum sensing as an alternative biocontrol strategy for aquaculture: lessons learned from *in vivo* work with luminescent vibrios. Molecular Dialogue in host parasite interaction", Belgian Society for Microbiology, Belgian Society for Biochemistry and Molecular Biology and National Committee for Microbiology of the Royal Academies of Science and the Arts of Belgium, Brussels, Belgium; 11/2010.
 67. Sarma K, Pal AK, **Baruah K**, Nourizitallab P, Mukherjee SC. (2010). Influence of dietary high protein and vitamin c on the hemato-immunological and histopathological responses of a threatened freshwater fish, *Channa punctatus*, exposed to endosulfan. Aquaculture Europe 2010 Conference. Porto, Portugal. October 5-8 (Poster Presentation).
 68. Kumar S, Choudhury D, **Baruah K**, Biswal M, Umesh D, Zaidi, GS, Sahu NP. (2004). Effect of Formulated Diet on Feed Intake, Growth and Survival of Angel Fish Juveniles. National seminar on prospects of ornamental Fish breeding and culture in Eastern and North-Eastern India. Kolkota center, CIFE, India 16 -17 February 2004 (Poster Presentation).
 69. Asanka Gunasekara RAYS, Rekecki A, **Baruah K**, Ikshan N, De Spiegelaere W, Bossier P, Van den Broeck W. (2010). Comparative Study of the influence of Mnn9 yeast vs. wild type yeast on the development of the digestive tract of *Artemia franciscana* nauplii. Aquaculture Europe 2010 Conference. Porto, Portugal. October 5-8 (Oral presentation).
 70. De Schryver P, Sinha AK, Kunwar PS, **Baruah K**, Boon N, Verstraete W, De Boeck G, Bossier P. (2009). The bacterial storage compound poly- β -hydroxybutyrate (PHB) increases growth performance and intestinal microbial diversity in juvenile European sea bass (*Dicentrarchus labrax*). Larvi 2009. 5th fish & shellfish larviculture symposium Ghent University, Belgium, 7 - 10 September 2009 (Oral presentation).
 71. Debnath D, Pal AK, Sahu NP, **Baruah K**, Yengkokpam S, Choudhury D. (2005). Changes in hepatic enzyme activities of *Labeo rohita* fingerlings in response to diet composition. The 7th Indian Fisheries Forum. Bangalore, Karnataka, India. 8 – 12 November. Pp. 26 (Poster presentation).
 72. Pal AK, Debnath D, Sahu NP, Choudhury D, **Baruah K**, Yengkokpam S. (2005). Metabolic responses of *Labeo rohita* fingerlings to dietary protein levels. The Seventh Indian Fisheries Forum, 8-12th November, 2005, Bangalore, page 53 (Poster presentation).