ICAR-National Bureau of Fish Genetic Resources

Canal Ring Road, Dilkusha PO, Lucknow-226002, India

Name	**Dr. Anutosh Paria**
Designation	Scientist
Professional experience	2 years
Qualification (PG and above)	M.F.Sc. (Fish Pathology & Microbiology) Ph.D. (Aquatic Animal Health Management)

Link to Google Scholar Page https://scholar.google.co.in/citations?user=mcngHioAAAAJ&hl=en

Current area of Research

Area of Research Expertise

- Fish & shellfish molecular immunology
- Molecular diagnostics of fish & shellfish pathogens

Awards/ Recognitions (only National and International)

- Dr. Hiralal Choudhury gold medal for M.F.Sc.

Publication (no.)

- **Research papers** 9
- **Reviews** 2
- **Books** Nil
- **Book Chapters** 2
- **Popular articles** 4
- **Others**
  - **Abstracts** 5
  - **Technical articles** 1
- **Databases CD-ROM Training Manual** Nil

Important Research Publications

Paria, A., Deepika, A., Sreedharan, K., Makesh, M., Chaudhari, A., Purushothaman, C.S., Rajendran, K.V., 2017. Identification, ontogeny and expression analysis of a novel laboratory of genetics and physiology 2 (LGP2) transcript in Asian seabass, *Lates calcarifer*. Fish & Shellfish Immunology, 62:265-275.

Choudhury, T.G., Vinay, T.N., Gita, S., **Paria, A.**, Parhi, J., 2017. Advances in bacteriophage research for bacterial disease control in aquaculture. Reviews in Fisheries Science &

Aquaculture, 25(2):113–125.

Sreedharan, K., Deepika, A., **Paria, A.**, Suresh Babu, P.P., Makesh, M., Rajendran, K.V., 2017. Ontogeny and expression analysis of tube (interleukin-1 receptor-associated kinase-4 homolog) from *Penaeus monodon* in response to white spot syndrome virus infection and on exposure to ligands. Agri Gene, 3:21–31.

Vinay, T.N., Bhat, S., Choudhury, T.G., **Paria, A.**, Jung, M-H, Kallappa, G.S., Jung, S-J., 2017. Recent advances in application of nanoparticles in fish vaccine delivery. Reviews in Fisheries Science & Aquaculture, DOI: 10.1080/23308249.2017.1334625.

Paria, A., Deepika, A., Sreedharan, K., Makesh, M., Chaudhari, A., Purushothaman, C.S., Thirunavukkarasu, A.R., Rajendran, K.V., 2016. Identification of Nod like receptor C3 (NLRC3) in Asian seabass, *Lates calcarifer*: Characterisation, ontogeny and expression analysis after experimental infection and ligand stimulation. Fish & Shellfish Immunology, 55:602-612.

Paria, A., Dong, J., Suresh Babu, P.P., Makesh, M., Chaudhari A., Thirunavukkarasu, A.R., Purushothaman, C.S., Rajendran, K.V., 2016. Evaluation of candidate reference genes for quantitative expression studies in Asian seabass (*Lates calcarifer*); during ontogenesis and in tissues of healthy and infected fishes. Indian Journal of Experimental Biology, 54:597-605.

Yadav, R., **Paria, A.**, Mankame, S., Makesh, M., Chaudhari, A., Rajendran, K.V., 2015. Development of SYBR Green and TaqMan quantitative real-time PCR assays for hepatopancreatic parvovirus (HPV) infecting *Penaeus monodon* in India. Molecular and Cellular Probes, 29(6):442-448. (**Joint-first author**).

Bhat, A., **Paria, A.**, Deepika, A., Sreedharan, K., Makesh, M., Bedekar, M.K., Purushothaman, C.S., Rajendran, K.V., 2015. Molecular cloning, characterisation and expression analysis of melanoma differentiation associated gene 5 (MDA5) of green chromide, *Etroplus suratensis*. Gene, 557:172–181.

Deepika, A., Sreedharan, K., **Paria, A.**, Makesh, M., Rajendran, K.V., 2014. Toll-pathway in tiger shrimp (*Penaeus monodon*) responds to white spot syndrome virus infection: Evidence through molecular characterisation and expression profiles of MyD88, TRAF6 and TLR genes. Fish & Shellfish Immunology, 41:441-454.

Vidya, R., **Paria, A.**, Deepika, A., Sreedharan, K., Makesh, M., Purushothaman, C.S., Chaudhari, A., Gireesh Babu, P., Rajendran, K.V., 2014. Toll-like receptor of mud crab, *Scylla serrata*: molecular characterisation, ontogeny and functional expression analysis following ligand exposure, and bacterial and viral infections. Molecular Biology Reports, 41(10):6865-6877.

Paria, A., Greeshma, S.S., Chaudhari, A., Makesh, M., Purushothaman, C.S., Rajendran, K.V., 2013. Nonspecific effect of double-stranded (ds) RNA on prophenoloxidase (proPO) expression in *Penaeus monodon*. Applied biochemistry and biotechnology, 169(1):281-289.