

Faculty profile

Name: **Dr. Dibya Jyoti Saikia**

Position: Assistant professor

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Area of Interest: Fish pathology, Fish genomics, Eco-toxicology and environmental safety



Research Activities:

1. Working experience as a **Project Assistant** in the DST sponsored project entitled “Fish faunal diversity, Distributional pattern, Habitat Ecology and their conservation strategies of the River Brahmaputra, Assam”.
2. Earned doctor of philosophy on the topic entitled “Studies on causative agent of tail and fin rot disease of *Channa punctata* (Bloch, 1793)”

Publications:

A. Paper published in journals

1. **Saikia DJ**, Chattopadhyay P, Banerjee G, Talukdar B and Sarma D (2017) Identification and Pathogenicity of *Pseudomonas aeruginosa* DJ1990 on Tail and Fin Rot disease in Spotted Snakehead. *J World Aquacult Soc.* 49(4).DOI: 10.1111/jwas.12476.
2. **Saikia DJ**, Chattopadhyay P, Banerjee G and Sarma D (2017) Time and dose dependent effect of *Pseudomonas aeruginosa* infection on the scales of *Channa punctata* (Bloch) through light and electron microscopy. *Turk J Fish Aquat Sci.* 17 (5): 871-876. DOI: 10.4194/1303-2712-v17_5_03.
3. Talukdar B, Kalita HK, Basumatary S, **Saikia DJ** and Sarma D (2017) Cytotoxic and Genotoxic Affects of Acid Mine Drainage on Fish *Channa punctata* (Bloch). *Ecotoxicol Environ Saf.* 144:72-78.[http:// dx.doi.org/10.2016/ j.ecoenv.2017.06.007](http://dx.doi.org/10.2016/j.ecoenv.2017.06.007).
4. Basumatary S, Talukdar B, Choudhury H, Kalita HK, **Saikia DJ** and Sarma D (2016) Female Gonadal Histology of Indian River Shad, *Gudusia chapra* (Hamilton, 1822)-A Tactic of Reproductive Biology. *Poult Fish Wildl Sci.* 4(2). DOI: 10.4172/2375-446X.1000173.
5. **Saikia DJ**, Narzaery B, Talukdar B, Amalesh Dutta and Sarma D (2016) Occurrence of *Pseudomonas* Septicemia in *Mystus tengera* in a paddy cum fish culture system of Kokrajhar district, Assam.5:132-135. ISSN-0971-7978.

6. Basumatary S, Baishya RA, **Saikia DJ**, Kalita HK, Talukdar B, Dutta A and Sarma D (2016) A Preliminary study on plankton diversity in lower reaches of the river Brahmaputra, in Dhuburi district, Assam, India.5:190-196. Tropical Zoology. ISSN-0971-7978.

B. Book chapter published

1. Nutrigenomics Approach of Diet- Gene Relation in Fisheries Research. Accelerating Science. (Vol.3). ISBN: 93-82661-24-7.
2. An appraisal on the environment toxic chemicals and government regulations. Reviews on Environmental issues. (Vol.1). ISBN: 978-81-2028-827-0.

Awards and Other Achievements:

1. UGC- BSR Fellow
2. Member of American Microbiological Society.