

2nd Global Summit on

Aquaculture & Fisheries

July 11-13, 2016 Kuala Lumpur, Malaysia

Feed derived toxins and its importance in eco friendly and sustainable aquaculture practices

Suchitra Varior

Indegene Life systems Pvt. Ltd., India

Aquaculture in its versatile form is getting popular in all parts of the world with indigenous technologies and approaches. Indeed it is essential to ensure food security and nutritional demands of growing populations. Organic practice of aquaculture is equally important while propagating scientific farming process in order to make the entire process sustainable and eco-friendly. Toxicological studies carried out in model organisms like tilapia brought out interesting results with applications in farming practices. Various toxins brought into the system through aqua feeds and by way of chemicals for pond preparations are causing moderate to severe harmful effects to aquatic organisms and to the end users. The impact of toxins like Aflatoxin B1 seen associated with feeds still remains to be a serious threat. One of the viable alternatives would be to integrate the use of live feeds as well the formulated feeds. More and more feed formulations using natural algal and sea weeds extracts could also serve well to make the entire process more organic in nature.

Biography

Suchitra Varior has completed her PhD from Cochin University of Science and Technology, Kochi, India. She has worked on the biochemical and molecular effects of aflatoxins on tilapia as part of her Doctoral research. She is currently a Senior Analyst in Indegene Life systems Pvt. Ltd., a leading global provider of clinical, commercial and marketing solutions to global life science and health care organizations. She has published several papers in peer reviewed journals.

suchitra.varior@indegene.com

Notes: