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V. Edwin Joseph

P. Geetha



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Inland Saline Water Aquaculture In South-West Punjab— A ray of hope for debt-ridden farmers

Asha Dhawan, and Meera D Ansal of Department of Aquaculture, College of Fisheries, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana (GADVASU) Punjab, tell us in this contribution about the utilisation of the abundant fallow saline water resources available in south-west Punjab and the water surveys conducted thereof, in a village under the zone. The surveys revealed encouraging results. They tell us above project for the utilisation of these waters for fish farming, utilising the financial support extended by the Punjab State Farmers Commission. They have established that, at a salinity of 10ppt, prime freshwater carps (common carp, rohu and catla) could be farmed and produced from these waters. Lauding this breakthrough, ICAR also awarded to GADVASU a 3 crore Niche Area Excellence project 'Inland Aquaculture in Punjab'. Follow-up action on this encouraging development is in progress 22

Aquaculture Development in Brazil

In the past few decades, India has achieved a focal status as one of the top inland fish farming nations. In comparison, how are the other nations performing, leaving aside countries in our neighbourhood, such as Thailand, Vietnam etc.? Prof. Keshvanath of Karnataka, who is now on an assignment in Brazil, gives us in this write-up an account of the present overall status of fisheries development in that country, which is germane for a comparison with India's achievements in the sector 24

Trout in Nilgiris: A salute to Dr. Wilson

Trout is one of the coldwater fishes introduced in India by the British during their regime in the country. Part of the Nilgiri hill zone in Tamilnadu is one such centre developed by the British for promoting trout fishery. The British expert behind this development was Dr. Henry Wilson. The developed area now comes under Indian 'Bio-sphere' zone. Wilson also set up a trout hatchery at a place 'Avalanche' in Nilgiris. Trout must be multiplying now in the zone, with no constraint of exploitation, as fishing in the zone is not allowed.

In this write-up, Salim Sultan of NFDB gives us an account of development of Trout fisheries in Nilgiri hills by Dr. Henry Wilson, which took place in the early part of the 20th century ... 28

Rudrasagar Lake (Ramsar site) in Tripura State: Present Status of Fish Production and suggestions for Future Development

Rudrasagar Lake (Ramsar site) in Tripura State, built in 1930 and inaugurated by the Maharaja of Tripura in 1938, has an extent of 1465 acres (including paddy land), in rainy season. Its annual production in 2010-11 (April 2010-March 2011) was 29.846 tonnes which roughly works out to 29 tonnes or 20kg/ha. According to the authors, all efforts are being made to increase fish production from the lake, which presently consists mainly of Rohu, Catla, Mrigal, Calbasu, Common carp, Grass carp, and several others. While highlighting the reasons for the gradual drop in annual production, from 49 tonnes to 28 tonnes per annum, as in 2010-11, from the lake, the authors have endeavoured to explain the causes for this decline and also to present a solution to solve the problem 38

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On the cover:

Host country for GOAL 2011, Chile is a major base for salmonid aquaculture. Its products ship worldwide. Photo courtesy of Armin Ramirez.



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Streptococcus Vaccine

A vaccine for tilapia was found safe and effective against *S. agalactiae* biotype II in lab testing and field trials. Studies have shown it protects for at least 30 weeks.



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