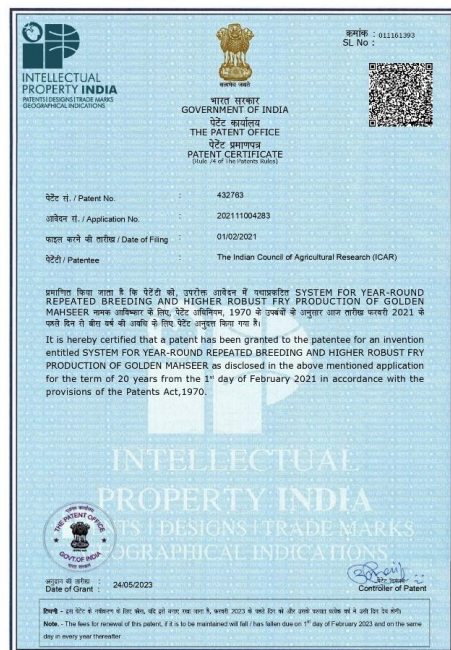


ICAR-DCFR receives Patent for an invention entitled “System for Year-Round Repeated Breeding and Higher Robust Fry Production of Golden Mahseer”

29, May, 2023 Bhimtal



ICAR- Directorate of Coldwater Fisheries Research (DCFR) received a patent for its invention, "System for Year-Round Repeated Breeding and Higher Robust Fry Production of Golden Mahseer." This invention, led by Dr. M.S. Akhtar, Senior Scientist and his team (Dr. Ciji Alexander, Dr. Rajesh M and Dr. Debajit Sarma) at the ICAR-DCFR, offers a ray of hope for the Golden Mahseer (*Tor putitora*) population, potentially reversing its status from "Endangered" to "Abundance" in the near future.

This invention focuses on creating an effective and efficient system and method for achieving captive maturation and year-round multiple breeding of Golden Mahseer in indoor compact tanks with separate male and female rearing to enable multiple breeding cycles, resulting in higher fecundity and increased fry production. The invention involves providing specific conditions to mimic breeding and grazing grounds, utilizing maturation diets, and carefully controlling temperature and photoperiod at different stages of hatchery operations. Importantly, this climate-friendly invention conserves water resources and exhibits the potential to rehabilitate the Golden Mahseer population.

The impact of this invention is already being realized, as ICAR-DCFR has successfully commercialized it with M/s. Das and Kumars Pvt. Ltd., Varanasi, Uttar Pradesh, through ICAR-Agrinnovate. This marks a significant milestone in translating the issue-based research breakthrough into practical applications, thereby expanding the reach and influence of ICAR-DCFR's invention.