

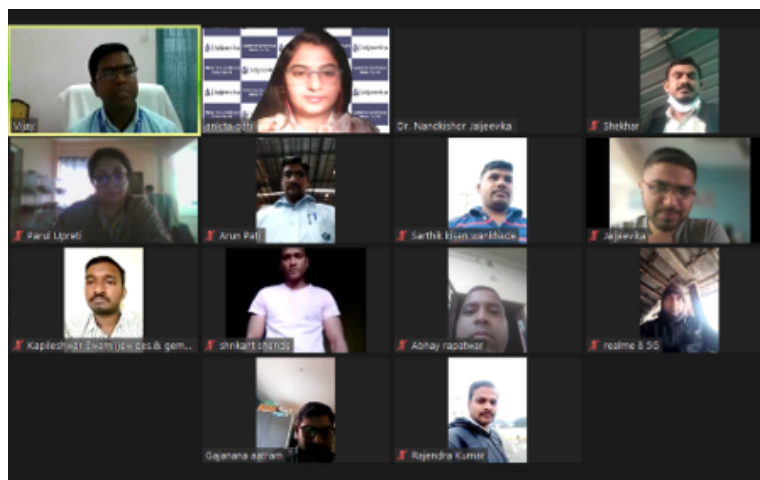
# Jaljeevika

Water for Livelihood, Water for All



FEBRUARY 2022 ISSUE

## *Wetlands Action for People and Nature*



On the occasion of world wetland day jaljeevika organized a session on the PMMSY scheme for fish farmers, on this occasion, Jaljeevika was honored to have Mr. Vijay Shikhare, Regional Deputy Commissioner, Fisheries Dept, Amravati.

Around 70 people joined the session out of which more than 20 were farmers from Maharashtra, U.P. & Bihar. Live interaction took place between farmers and Shikhare Sir on the PMMSY scheme benefits.

[YouTube link](#)



## *Jaljeevika Introducing IoT in aquaculture: innovations for better production*



Frugal labs with Centre for Aquatic Livelihood Jaljeevika successfully completed the implementation of FLIP IoT Water Quality Monitoring Product for aquaculture, to enable IoT in rural Livelihood. Now, jaljeevika is looking forward to a journey to create a robust impact in the aquaculture industry along with other applications by the use of the FLIP Water Quality Monitoring Device.

[YouTube link](#)



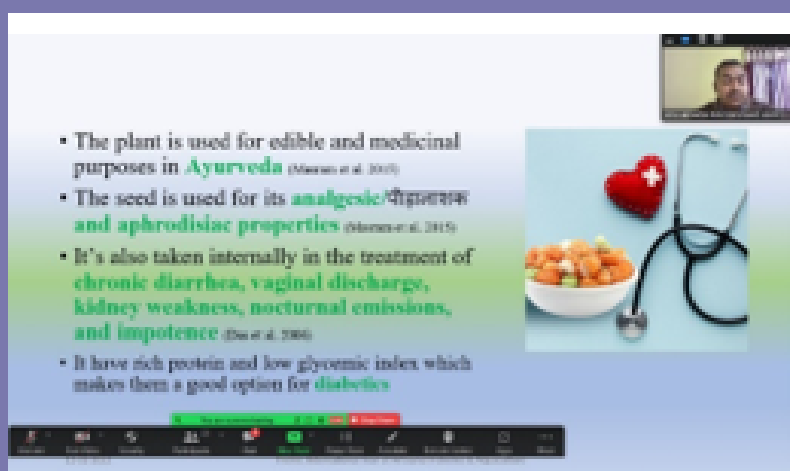
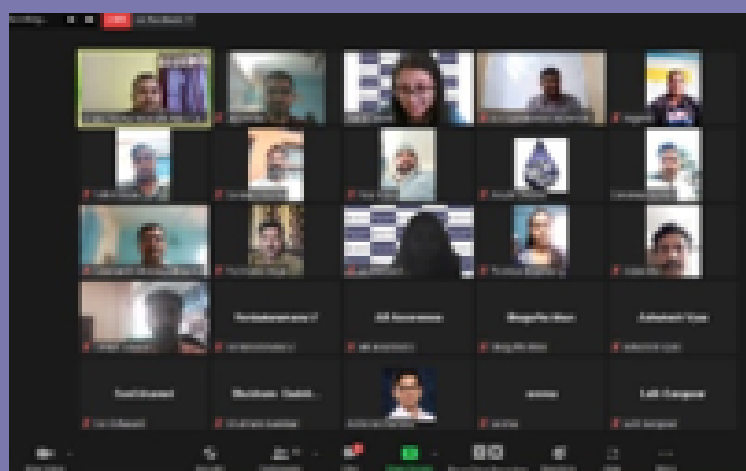


# JALJEEVIKA ESTABLISHED AQUASCHOOL IN UTTAR PRADESH: WOMEN INITIATIVE IN INAUGURATION

With an aim to make farmers and women self-reliant and to bring a change in their economic status, the Aqua School was started at Aichua village, Mihinpurwa block, Dist. Bihar in Uttar Pradesh. so that the women of the development block can now increase their income through water-related livelihood.

All the farmers and groups of women in the Mihinpurwa block will be given training free of cost through the aqua school training center. Murari Kumar Jha, Manager, TRIF said that it is an initiative of us to promote the country's fisheries and organic manures so that Modern technology will help the farmers in their good yield of crops.

<https://www.rdlivetv.com/2022/02/blog-post.html>



## Makhana: Superfood & Potential Aquatic Cash Crop

Jaljeevika organized Aquatalks Session with Guest Speaker Shailendra M Raut on Makhana Crop. It is considered a potential aquatic cash crop, especially in Bihar state. It is suitable for the tropical climate of India, Mithila Makhana of Bihar received GI Tag from the center. Mallah fishermen Community of Bihar is skilled in doing Makhana cultivation. It grows in stagnant water bodies and has high nutritional and medicinal value.

[YouTube link](#)





### S. Articulata: a wetland sedge.

Another wonderful session was completed on Aquatic Plant: *S. articulatus* with Dr. Vidyanath Jha, Principal, MLSM College, Darbhanga, Bihar. The aquatic plant "Khubahi" he covered is a totally untouched topic. The session was an eye-opener about such valuable aquatic plants which are still not cultivated at the commercial level and possess a lot of nutritional value. There is a need to create more awareness about this plant in terms of its commercial use.

[YouTube link](#)



### Jaljeevika: A start-up enhancing lives of aqua farmers

Article published in Asiana Times- in a male-dominated occupation of fish farming, Jaljeevika has come as a catalyst of change. It has empowered several women financially. The start-up has taught fish farmers the art of sustainable farming. community members are becoming more confident and empowered through fisheries-based activities promoted by Jaljeevika. The Aqua School model is helping hundreds of women fish farmers bring livelihood and income generation."

What kind of music should you listen to while fishing?

**A good tune-a!**

JOKE

**FUN FACT**

**Fish are cold-blooded!**

Most fish are cold-blooded unlike us who are warm-blooded.

There is an exception though...

Tuna and mackerel sharks have warm blood like us.

An Opah fish also has warm blood.



**Panda Cory Cat**

Care Level: Easy

Temperament: Peaceful

Color Form: Black, Yellow

Diet: Omnivore

Water Conditions: 72-79° F, KH 2-12, pH 5.8-7.0

Max. Size: 2½"

Origin/Farm: Asia, Captive-Bred

Family: Callichthyidae

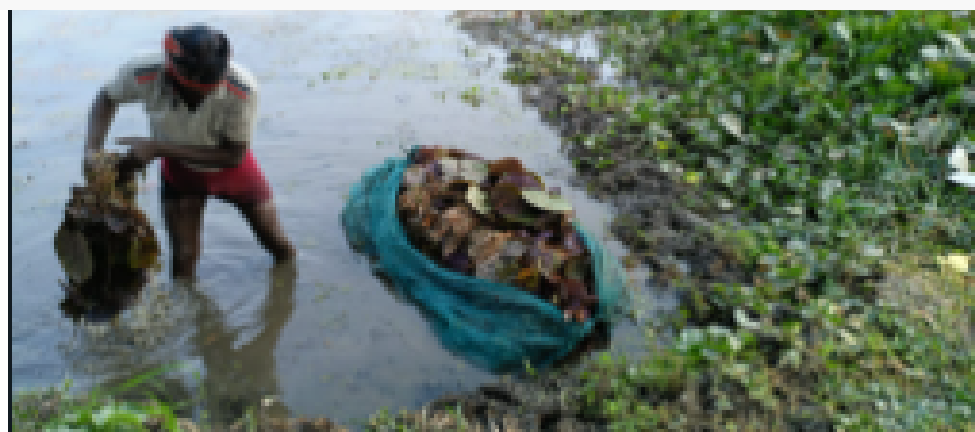
Minimum Tank Size: 30 gallons





## *Makhana farming begin in Bihar:*

Makhana plantation was started in Bihar district by one of the beneficiaries of jaljeevika in a 4-acre land. Makhana cultivation requires minimum expenditure as new plants germinate from the seeds left over from the last harvest. The only investment required is in thinning out the overgrowths, transplanting into sparse areas, adding insecticides, and collecting dispersed seeds from the pond bed during harvesting.



The cultivation of this aquatic crop involves clearing of pond, broadcasting of seeds, thinning and gap filling, plant protection, harvesting and collection of seed. Ponds under running cultivation do not require broadcasting as saplings are produced from the left-over seeds.



### **Matsya- sakhi celebrated Shiv-jayanti in Aqua-school.**

As said by Chhatrapati Shivaji, "If a tree, which is not a highly elevated living entity, can be so tolerant and merciful to give sweet mangoes even when hit by anyone; being a king, should I not be more merciful and tolerant than the tree?" Following his strength, Jaljeevika is working towards its goal of making rural livelihood better.



## *Induced breeding of common carps.*

Team Jaljeevika under the guidance of the fisheries department, Pune carried out induced breeding of common carps in hapa to grow seed in their FRP cage model. Common Carp (various names: scale carp, mirror carp & leather carp) is a good species for seasonal ponds, it grows faster and reaches 1-1.5 kg in a year. It breeds throughout the year with two peak breeding seasons; Jan-march & July-aug. Fully mature males and females selected. Two males are selected with one female. We can also induce spawning by injecting carp with hormones. The drug is injected into the base of the pectoral fin at a volume of 0.5 ml/kg. After 10-12 hours of injection, the bottom of each tank was controlled every 30 min for the presence of released eggs, which indicates that ovulation has occurred. Each female is checked if emitting some eggs or blotted, and then the eggs were stripped by abdominal pressure. The eggs of common carp are sticky so we put fresh aquatic weeds in the hapa. The weeds in the hapa should weigh twice as much as the female fish. They should be washed with water, rinsed in a solution of potassium permanganate ( $\text{KMnO}_4$ ) and spread in the hapa.



## **Yawatmal District Collector Mr. Amol Yedge visited Aquaschool.**



Eklara, Yawatmal Aquaschool, was visited by District Collector Mr. Amol Yedge Ji. Matsya Sakhi's got an opportunity to introduce themselves and share their fish farming experience.



Today, Jaljeevika can proudly say that after a year from introduction, the aim of Aquaschool to spread knowledge and promote entrepreneurship seems to get accomplished and has positively impacted farmers and young entrepreneurs.



## Buldhana, Unmed Mahila FPO Team visit

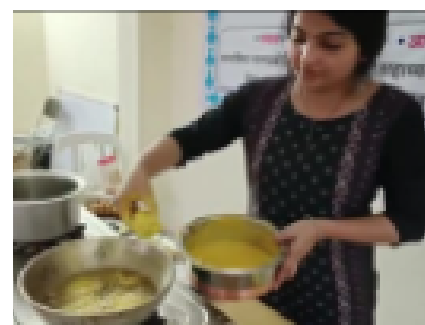


Aqua school, Yavatmal visited by Buldhana Unmed Mahila FPO Team. The visit brought good exposure for the women SHG members.

### *Fish for revenue, Fish for the menu: value addition training program.*

Team Jaljeevika under the guidance of the fisheries department, Pune supported a training program on "Value addition in fish".

In this training program, most of the beneficiary was from economically backward female candidates. In training different value-added recipe demonstration was demonstrated. The recipe taken for the demo was prawn pickle, fish Sev, fish Wada, Fish cutlet, jawala chutney. Also, the valuation of the products and scope for entrepreneurship development also explained.



[YouTube link](#)



Click the link below

