



# K.R.K GOVERNMENT DEGREE COLLEGE

Accredited by NAAC with B-Grade :: Affiliated by Acharya Nagarjuna University  
Addanki, Bapatla District - 523201 (A.P)



## CORDIALLY INVITE TO THE TWO-DAY NATIONAL WEBINAR

on

### Role of Genetics in the Sustainability of Aquaculture

Organised by

DEPARTMENT OF ZOOLOGY



**Dr. Pola Bhaskar, IAS**  
Commissioner of Collegiate Education,  
Vijayawada,  
A.P Chief Patron.



**Dr. R. David Kumar Swamy**  
Joint Director,  
Collegiate Education



**Dr P Rama Mohanrao,**  
Deputy Director of Fisheries(Rtd),  
Govt of AP  
Topic : Coastal Aquaculture  
Practices



8th & 9th April 2022



10 AM to 1 PM & 2 PM to 4:30 PM



**Dr. N V Ramana,**  
IQAC coordinator.



**Dr V Mohana Rao,**  
Principal

**Virtual Platform: Google Meet**

<https://meet.google.com/vpt-vxga-cgt>



Scan this QR to  
join the meet



**Dr. N Srinivas,**  
Associate professor,  
P R Govt Degree college,  
Kakinada



**Dr Tulasi Mastanamma,**  
AGO, CCE.  
**Inaugral Speech**



**Dr. N Baburao**  
Sr. Scientific officer, AQF, RGCA  
**Topic: Initiatives of RGCA for  
diversification of Aquaculture**



**Dr Anup Mandal**  
Project Director at RGCA, MPEDA  
**Speaker**  
**Topic: Genetics and Sustainable  
Aquaculture .**



**P. Srinivasa Rao**  
Sr. Scientist officer, GIFT Tilapia Project,  
RGCA, Vijayawada  
**Topic: GIFT Talapia Aquaculture (Breeding  
& Growout Farming Practises)**



**Dr. V. Sailaja**  
Asst Professor of Zoology,  
Head of Department, Botany,  
Vikrama Simhapuri University College, Kavali  
**Topic: Bivalve Fisheries and diversification of  
Aquaculture**

**Conveners**

**Dr Bhanu Prakash Karumanchi**  
**Sri Ashok Kumar Bollapalli**

**WhatsApp link:**

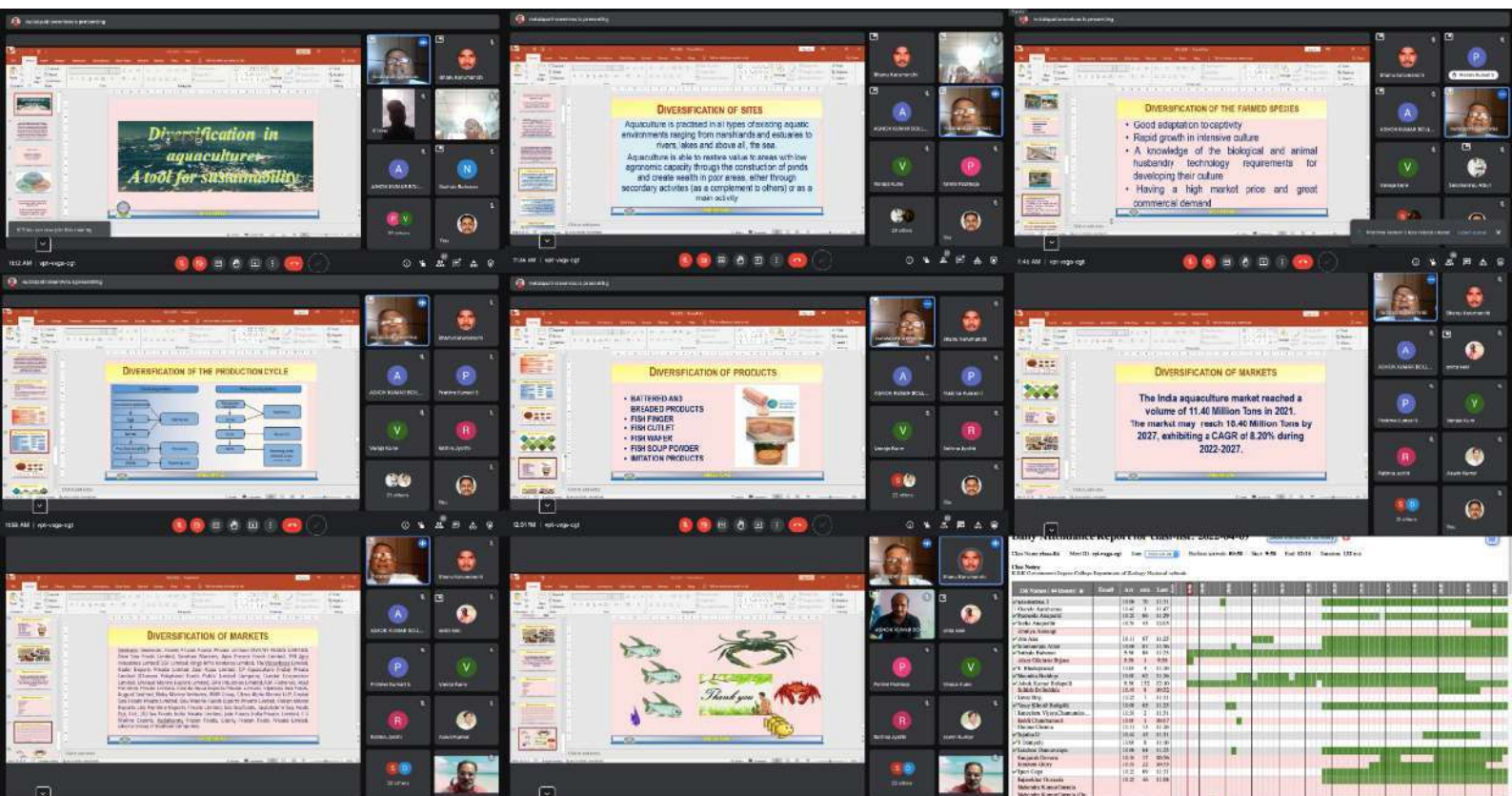
<https://chat.whatsapp.com/LLbHr3h9pRS1bcFkyrBOES>



**Scan this QR to  
join WhatsApp Group**





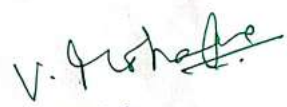


*V. P. Subbarao*  
 Principal  
 K.R.K. Govt. Degree College  
 ADDANKI-523 201,  
 Bapatla Dist., (A.P.)





4/9/2022 9:48:53	Chalchitkala paravankumar	Misc zoology	Acharya nagarjuna university	Paavach730@gn	765968204	12_EH79a1n1y5UkKc7	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 10:01:02	K. Pavan Kumar	Student	Acharya Nagarjuna University	kalkotgavan@gn	913234325	14hK1y7Fh3h0z00285	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 10:21:44	patnakulkishorereddy@gn	Student	Acharya Nagarjuna University	patnakulkishore	954773944	1y15Fuq18BMdLq4U	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 10:38:01	Tenali pichu reddy	Student	Acharya Nagarjuna University	pichureddy@gn	830294680	18DBVYdHqM4hDhRUW	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 11:13:40	Nasirja Anand	Phd scholar	Sri Jagadgururambhadracharya	nasirjanand@gn	954920279	19D1V4zW9R5C8D0	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 11:17:24	Rampuran Amulya	Student	AU science and technology	amulyarampuran	970595813	1ACT3z05eH0zQwVwU	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 11:23:30	Yeragani Chitra Kikkasani	Student	Acharya Nagarjuna University	yeragan201@gn	778562860	1Dm18S0518R6E3zU	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 11:24:10	G. Nimala Chaitanya	Research scholar	VSU PG centre	nimala_saini@gn	933844201	1GCE4RRC0LMBp8p	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/9/2022 11:16:38	Dr. D. Sujatha	Lecturer in Zoology	Vijayaya Govt Degree College,	vajathad214@gn	889747335	12Bw6LKD_J8RQmYU	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:48 AM
4/10/2022 11:00:00	GOULAMARANATHI	LECTURER	JAWAHAR BHARATI DEGREE	aranavathn@gn	891869948	1D4M-5mU_jagC7YU	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:50 AM
4/10/2022 11:30:20	B. SUDHITHA	Lecturer in zoology	Govt College For Men, Kurnool	bsudhitha@gn	945327465	1y_465P1Z8eyy0z0C0	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:50 AM
4/10/2022 11:30:58	Dr. S. GOPAL	Lecturer in zoology	PISC & KVSC GOVERNMENT	ccsramatgopal@gn	944114487	18MHdV9ZKpCz0z0U	<a href="https://www.google.com/Certificates-of-study.html">https://www.google.com/Certificates-of-study.html</a>	Document successfully created. Document successfully merged. PDF created. Error Sending Emails: Service invoked too many times for one day. email: Manually run by ashokkumarzoology@gmail.com. Timestamp: Apr 13 2022 8:50 AM

  
 Principal  
 K.R.K. Govt. Degree College  
 ADDANKI-523 201,  
 Bapatla Dist., (A.P.)





# K.R.K.GOVERNMENT DEGREE COLLEGE

ADDANKI-523201, BAPATLA DT. ANDHRA PRADESH

(Affiliated to Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, Andhra Pradesh)

Reaccredited by NAAC with B+

## CERTIFICATE OF APPRECIATION



Dr.V.Sailaja, Assistant Professor in Zoology, of VSU PG Centre KAVALI, has been invited as a Resource Person for the two days National Webinar on “*The role of Genetics in the sustainability of Aquaculture*” organised by The Dept.of ZOOLOGY, KRK Govt. Degree College, Addanki-523201, Bapatla Dt.A.P. during 08.04.2022 & 09.04.2022. She has talked on “Bivalve Fisheries and Diversification of Aquaculture” during the second session on 09.04.2022. The Institution appreciates her commendable service for the lecture she has shared online

Ashok Kumar Bollapalli  
Webinar Convenor

Dr.Bhanu Prakash.K  
Webinar Convenor

Dr.N.V.Ramana  
IQAC Coordinator

Principal  
KRK Govt Degree College





# K.R.K.GOVERNMENT DEGREE COLLEGE

ADDANKI-523201, BAPATLA DT. ANDHRA PRADESH

(Affiliated to Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, Andhra Pradesh)

Reaccredited by NAAC with B+



## CERTIFICATE OF PARTICIPATION

This is to certify that Mr.Sanaka Srinivas, Lecturer in Zoology of SVSSC GDC, Sullurpet has participated in two days national webinar on “*The role of Genetics in the sustainability of Aquaculture*” organised by The Dept.of ZOOLOGY, KRK Govt. Degree College, Addanki-523201, Bapatla Dt.A.P. on 08.04.2022 & 09.04.2022



Ashok Kumar Bollapalli  
Webinar Convenor

Dr. Bhanu Prakash.K  
Webinar Convenor

Dr. N.V. Ramana  
IQAC Coordinator

Principal  
KRK Govt Degree College

# **Two Days National Webinar on “The Role of Genetics in the Sustainability of Aquaculture”**

**K R K Govt Degree College, Addanki, Bapatla District**

## **Report of the First Day**

**Host Department: Department of Zoology**

**Principal: Dr V Mohan Rao**

**Conveners of the Webinar: Dr K Bhanu Prakash & Sri B Ashok Kumar**

### **1<sup>st</sup> Day:**

#### **9:30 – 10:00 AM: Inaugural Session**

The Chief Guest was Dr Tulasi Mastanamma, AGO, CCE AP. She spoke about the initiatives of the Department of Collegiate Education. She spoke about the significance of aquaculture and the need for various courses introduced with Aquaculture combination. The Lecturer in charge of the host department, Dr Bhanu Prakash Karumanchi, briefed about the objectives of the webinar. The principal of the college, Dr V Mohan Rao, spoke about the status of aquaculture, the need for responsible aquaculture etc.

#### **1<sup>st</sup> Session: Genetics for the Sustainability of Aquaculture**

The host department, then, introduced the first speaker for the first session. Dr Anup Mandal, one of the Project Directors of the RGCA, MPEDA, elaborated on the intervention of Genetics in improving the traits, resistance to diseases, domestication, selective breeding etc

from 10:00 AM to 11:15 AM. The session was followed by the discussion.

**Lunch Break: 12:00 to 02:00**

**2<sup>nd</sup> Session: Coastal Aquaculture Practices**

The host department, then, introduced the speaker for the second session. Dr Rama Mohanrao Ponnappalli, Emeritus Deputy Director of Fisheries, Department of Fisheries, Govt of Andhra Pradesh, Spoke extensively on the Coastal Aquaculture Practices beginning from the pond management to the biosecurity measures. The session was followed by the discussion.

  
Principal  
K.R.K. Govt. Degree College  
ADDANKI-523 201,  
Bapatla Dist., (A.P.)

# **Two Days National Webinar on “The Role of Genetics in the Sustainability of Aquaculture”**

**K R K Govt Degree College, Addanki, Bapatla District**

## **Report of the 2<sup>nd</sup> Day**

**Host Department: Department of Zoology**

**Principal: Dr V Mohan Rao**

**Conveners of the Webinar: Dr K Bhanu Prakash & Sri B Ashok Kumar**

### **10:00 AM – 11:AM: 1<sup>st</sup> Session – Dr N Baburao**

The guest speaker of the first session of the day was Dr N Babu Rao, Senior Scientific Officer, AQF-RGCA, MPEDA, Ministry of Commerce and Industry. The Scientific Officer spoke about the initiatives of RGCA that are intended to bring about the sustainability of aquaculture through the diversification of the culture species and the culture systems. He talked about various projects being carried out by the RGCA at various places across the country. He dealt a little on the SPF seed of vnamei and tiger shrimp that have been developed by the selective breeding programs.

### **2<sup>nd</sup> Session: 11AM to 12 PM – Dr Nuthalapati Srinivas**

The topic on which Dr Srinivas spoke about was the diversification of aquaculture for its sustainability. He spoke on the true concept of sustainability as elaborated by FAO. The sustainability encompasses the sustainability in ecosystem, economics and societies and community aspects. He spoke about the diversification of culture species, feed, markets, practices etc.

### **3<sup>rd</sup> Session: 12 PM to 1 PM - Sri Puligadda Srinivasa Rao**

The Senior Scientific Officer, RGCA Vijayawada, spoke on the GIFT Tilapia Aquaculture. The breeding and grow out farming of the same. He elaborated the process of selective breeding of GIFT for 10 generations to improve the fish genetically. Given the importance to the GIFT in USA where it was the 4<sup>th</sup> most widely consumed fish, the seed of GIFT is being produced for grow-out culture of the species. He also touched up on the economics of the GIFT rearing and potential benefits.

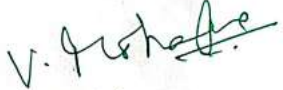
### **Lunch Break: 12:00 to 02:00**

### **4<sup>th</sup> Session: Dr V Sailaja**

Assistant Professor from VSU, PG College, Kavali, presented her talk on the Bivalve fisheries and their culture. She spoke about the seed production, biology, muscle composition and grow out farming of the bivalves. Various bivalves which are mainly cultured are Oysters, clams, mussels, scallops. She touched upon the disease risk and how to touch up on the disease risk of the culture also.

### **Valedictory Program**

After all the sessions of the webinar are over, first Dr V Mohan Rao garu spoke elaborately on the need for the sustainability of Aquaculture. He has extensively spoke on the importance of diversification of aquaculture in ensuring the sustainability. The principal thanked the honorable commissioner, Joint Director, CCE; AGO madam for their support and the initiatives of the department in strengthening the colleges. The conveners of the webinar thanked all the esteemed speakers, participants, the support staff of the institution and the people from outside the institution. This was followed by the valuable talk by the coordinator of IQAC-NAAC. He has enumerated the quality initiatives being done on the platform of IQAC to ensure quality in various aspects of the college.

  
Principal  
K.R.K. Govt. Degree College  
ADDANKI-523 201,  
Bapatla Dist., (A.P.)