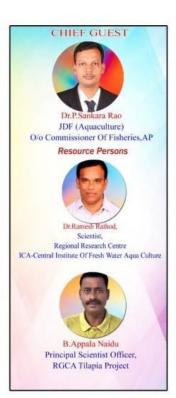
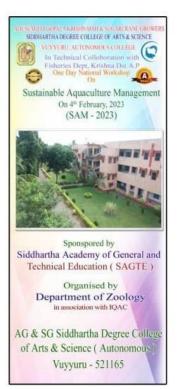
DEPARTMENT OF ZOOLOGY

One day National Level Workshop on Sustainable Aquaculture Management 04.02.2023













DEPARTMENT OF ZOOLOGY

One day National Level Workshop on Sustainable Aquaculture Management 04.02.2023

Program Sheet

Inauguration

10.00AM: Inviting the Guests on to the dais by Sk. Ayesha and P. Sravanthi III

B.Sc. Aquaculture

10.05: Prayer by D. Sruthi II BZC

10.10AM: Lighting the Lamp

10.15 AM: Presidents Opening Remarks by Sri. K. Satyanarayana Principal

10.20 AM: Address by distinguished Guests Sri.T. Sri hari Rao garu AG& SG SC

10.25 AM: Introduction of Workshop by D. A. Kiranmayee HOD Zoology

10.30-11.00 AM: Address by Chief Guest by Dr. P. Sankara Rao (JDF) Aquaculture A.P.

Tea Break: 11.00 to 11.15. AM

Session I-11.15-12.15: Dr. Ramesh Rathode, Scientist Central Institute of Fresh water

Aquaculture (CIFA) Vijayawada

Session II 12.15-1.15: Sri. B. AppalaNaidu, Principal Scientist, RGCA, Manikonda

Tilapia Project

Lunch break: 1.15-2.15

Session III 2.15- 3.15 Practical on water Quality management

Session IV:3.15-4.15 Practical on probiotics, Feed and Disease Management

4.15 -5.00 PM: Valedictory Function

The Department of Zoology has organized a One Day National Workshop on "Sustainable Aquaculture Management" on 04.02.2023.

Aims of the workshop:

The work shop aims to explore the basic dimensions of sustainable aquaculture as it is the need of the present moment. Sustainable Aquaculture is projected to be the prime source of seafood by 2030, as demand grows from the global middle class, the wild capture fisheries approach their maximum take. When practiced responsibly, fish farming can help provide livelihoods and feed a global population that will reach nine billion by 2050.

The work shop is designed to expose the participants to both theoretical and practical knowledge. On completion of the workshop, participants would develop skills in feed, health and water quality management to accelerate sustainable aquaculture.

Workshop Objectives:

- 1. To provide knowledge on management practices in aquaculture.
- 2. To provide hands on training on use of test kits and standard methods for estimation of water quality.
- 3. To review current trends and practices in sustainable aquaculture by eminent resource persons
- 4. To have an understanding on resource conservation and food production
- 5. To furnish employment opportunities for rural youth andfishing communities
- 6. To learn the usage of various methods of disease control
- 7. To Implement more ecologically sustainable practices
- 8. Transition to use of closed systems and low discharge systems, especially those that provide total containment of fish and recovery or reuse of wastes
- 9. Significantly decrease or eliminate the dependence on wild fisheries
- 10. Develop sustainable aquaculture operations that provide long term social and economic benefits to communities

Fisheries and Aquaculture provide nutritional security and employment to over 16 million people in the country. India has shown continuous and sustained increments in fish production since independence. Over the last few decades, the fisheries and aquaculture sector have seen a dramatic change in its dynamics with an overall expansion of production capacity, trade business, and food consumption.

Yet, despite its inspiring performance, the sector faces several issues throughout the value chain, relating to world-class infrastructure, technology, safety and regulatory framework, facilities, value addition, global demand etc. To deliberate on the key interventions needed to strengthen and sustain the Fisheries and Aquaculture Industry, and pave a roadmap with implementable actions, the Department of Zoology has organised a National Level Workshop on "Sustainable Aquaculture Management" on 2nd February 2023.

The number of Registrations for the workshop is 208 with nearly176 students and 32 faculty members from different colleges.

Inaugural Session:

The National Level Workshop was inaugurated by Dr.P.Sankara Rao Joint Director of Fisheries Krishna District Andhra Pradesh.Sri. K. Satyanarayana, Principal of the college, Dr. Ramesh Rathode, Scientist, Regional Research Centre ICA Central Fisheries of Fresh Water

Aquaculture, and Sri. B. Appala Naidu, Priniciple Scientist, RGCA, Tilapia project also graced the program.

Dr. P.Sankara Rao Joint Director of Fisheries Krishna District Andhra Pradesh is the Key note speaker for the workshop. The JD urged that Colleges should serve as centres of excellence in research and extension of freshwater aquaculture. He wished the Workshop would come up with concrete plans for sustainable freshwater aquaculture to feed the billion. In his Key note address he gave detailed information about the present scenario of fisheries resources and infra structure in Andhra Pradesh. He gave statistics on status of fish and shrimp production in India and Andhra Pradesh. He added a note on major challenges of Aquaculture industry in the present scenario. He gave information to the participants about the Governmentinitiatives for promotion of Aquaculture sector like RythuBarosaKendralu, Kisan Credit Card etc. He gave details of the Acts and Rules of the State Government. He provided information about the services offered by the Department in online registration of Aqua farmers.

A small tea Break is given for 10 minutes.

Technical Session I:In the first Session Dr.Ramesh Rathod Scientist, Central Institute of Fresh Water Aquaculture (CIFA) delivered a lecture on Present Status and Future Prospects of Fresh Water Aquaculture in Andhra Pradesh. He explained that India is blessed with an abundance of Fishery Resources both marine and Inland. He threwlight on the Bheri System in West Bengal, Pokkali Culture in Kerala, Ox Bow lakes in Bihar and integrated culture in North eastern India. He enlightened the participants with the recent developments in Aquaculture like Aquaponic System and Biofloc systems. Lastly, he provided information about the genetically improved breeds of fish and prawn produced by CIFA. They are Jayanthi Rohu, CIFA-GI Scampi, catla, Shining Barb, striped cat fish, Pangasianodon hypophthalmus, Murrel, Magurand Singhi etc.

Technical session II: In Technical Session IISri. B. Appala Naidu, Priniciple Scientist, RGCA, Tilapia project (GIFT), Manikonda provided information on how RGCA proposes to Achieve sustainability in Aquaculture in India

He said that Sustainability is achieved through Diversification - by developing technologies for seed production and farming of new species like Mud Crab, Groupers, Seabass and Cobia and Tilapia. He added the following points on achievement of sustainability

- Sustainability through Domestication of Black Tiger Shrimp & Fresh water Prawn
 (Scampi) and introduction of new species The Pacific white Shrimp L.
 vannamei...
- Sustainability through Development of Live feed production technologies for Artemia, Rotifer and Copepods for support of and enhancing bio security in Aquaculture systems...
- Sustainability through Infrastructure development by Introduction of RAS or Recirculation Aquaculture Systems for enhancing production capacities and addressing bio security concerns.
- The following shrimp pathogens are being screened by PCR technique at RGCA, Manikonda

- 1. WSSV (White spot syndrome virus)
- 2. TSV (Taura syndrome virus)
- 3. YHV (Yellow head virus)
- 4. GAV (Gill associated virus)
- 5. IMNV (Infectious Myonecrosis Virus)
- 6. MoV (Mourillyan virus)
- 7. LSNV (Laem Singh Virus)
- 8. SMV (Spawner associated mortality virus)
- 9. IHHNV (Infectious Hypodermal & Haematopoietic Necrosis Virus)
- Lastly, he concluded that the availability of an optimal diet is crucial factor for the sexual maturation and reproduction of shrimp.

The weight of the ovaries of maturing shrimp can increase four-tonine-fold in approximately one week and in that time sufficient nutrients need to be accumulated into the egg yolk to sustain the normal development of the embryos and pre-feeding larvae. He concluded that food does also represent the highest operation cost in most brood stock management facilities **Technical Session III, IV:**

These two sessions are practical oriented. The practicals are designed in such away that the students can assess different waterparameters such as PH, Alkalinity, Dissolved Oxygen, and Turbidity with the help of Standard procedures and Test Kits.

In addition, practical Knowledge is provided in varieties of food that are cosumed in different stages of Prawn and Fish.

Information is provided to participants on Probiotics and SPF varieties of fish and prawn especially in Letopenaeusvennameii.

Valedictory Session:

The chief Guest for the Valedictory Session was Sri. J Nageswara Rao, Head Dept. of Chemistry and Sri. J. G. V Vinay Kumar Director of Junior College. They appreciated the Department of Zoology for Conducting a National Level Seminar on "Sustainable Aquaculture Management" which is the need of the hour and is beneficial to the students for self- Employment.

Feed back is taken from the participants. All of them are fully satisfied with the Workshop concept and the practical's organised by the Zoology Department. Certificates were issued to all the Participants. Vote of Thanks is proposed and the workshop is closed with National Anthem.

Photos of National Workshop



Sri. T. Sri Hari Rao Convenor of the college with Zoology faculty and resource Persons of the National workshop



Decorated Seminar Hall for National Workshop



Resource persons and Dignitaries on the Dias along with Principal K.Satyanarayana and HOD of Zoology D.A. Kiranmayee



Lightening of Lamp By resource persons and Dignitaries of the Workshop



Sri. T. Sri Hari Convenor of the college addressing the students

Resource persons with Faculty



Key Note address by Dr. P.Sankara Rao Joint Director of Fisheries Krishna District



Key Note address by Dr. P.Sankara Rao Joint Director of Fisheries Krishna District



Dr. Ramesh rathode Scientist CIFA giving his presentation to the Participants



Dignitaries and participants at the National Workshop



Sri. B. Appalanaidu RGCA delivering his presentation to the participants



Sri. B. Appal Naidu RGCA giving his presentation to the participants



Sri. J. Nageswara Rao HOD of Chemistry addressing the students at the Valedictory



Sri. K. Satyanarayana, Principal addressing the students at the Valedictory session



Participants at the National Level Workshop



Distribution of Certificates to AvaniGadda Degree College Students



Distribution of Certificates to JKCDegree College Students, Guntur

BROCHURE OF NATIONAL WORKSHOP

PAPER CLIPPINGS



ఉయ్యూరు ఎజీ, ఎస్ జి డిగ్రీ కళాశాలలో సెమినార్

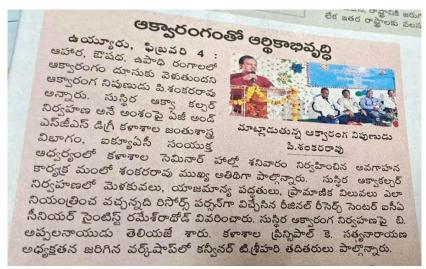
జంతు శాస్త్ర విభాగము మలియు ఐ.క్కు.ఎ.సి అధ్వర్యంలో సుస్టిర ఆక్వా కల్పర్ అంశంపై అవగాహన వివిధ కళాశాలల నుంచి పాల్గొన్న విద్యార్జినీ విద్యార్జులు

ఉయ్యూరు (రమేష్) ప్రజాకాంక్ష, ఫిబ్రవర్, 05 : ఉయ్యూరు స్థానిక అదుసుమిల్లి గోపాలకృష్ణయ్య మరియు చెరుకు రైతుల సిద్ధార్థ డిగ్రీ కఠాశాల జంతు శాస్ర్ర విధాగము మరియు జుక్కువి.సి జాతీయ వర్శస్తావును, సెమినార్ హాల్ సంగు సుస్టిర ఆక్వాకల్స్ నిర్వాహక అంశముపై విద్ధార్థులకు ప్రయోగాళ్లక ముగా అవగాహన కల్పించటానికి శనివారం ప్రాంరంభించినారు. ఈ కార్యక్రమమునకు కఠాశాల ప్రిన్నిపాల్ కె. నత్యనారాయణ అధ్యక్షక పహించారు. ఈ కార్యక్రమంలో ముఖ్యఅతిథిగా డాక్టర్ ప్రమానం చిలువంటి ఆర్వాక్షన్ మహించారు. ఈ కార్యక్రమంలో మఖ్యఅతిథిగా డాక్టర్ మహేషన్ సమయ్ జీవనోపాధి కార్యాభరంగా ఉపయోగపడుతుంది. ప్రపంచమూలోనే అమ్మానరా, శ్రేత్రీ జీవనోపాధి కార్యాభరంగా ఉపయోగపడుతుంది. ప్రపంచమూలోనే అమ్మానరంగా తీస్తున్న ప్రస్తానలు మర్దు మర్దు మర్దు మర్దు మర్దాను మర్దు మర్దాను మర్దు కార్యక్రమంలో కళ పోరు వేర విద్దార్థులకు స్థురమైన ఆక్వాకల్సర్ నిర్మాస్తులు యాజమాన్య పద్ధతులు, నీటి యొక్క కాఠ్యక్రమంలో కళ కళాశాల ప్రస్తార్థు పర్యన్ వాట్లుకు ప్రంద ప్రస్తానులోని మెలుకుపులు, యాజమాన్య పద్ధతులు, నీటి యొక్క పోరు వేరు వెరించారు. ఈ వర్య షాఫుకు రిసోర్స్ పర్సన్ విష్కినిసిన ప్రస్తిస్తాను ఆక్షాకల్స పథాగము ఇ కాఠాశాశాల విద్దార్థుల ప్రస్థన్ పర్సన్ పర్సినిన ప్రస్తిస్తాను అన్న మర్దారులు ప్రస్థ పర్మనిన స్వస్తినని ప్రస్తిస్తానారు. కళితానాలల నేరు పెరంచారు. ఈ వర్య షాఫుకు రిసోర్స్ పర్సన్ విష్కినిన ప్రస్తిస్తాను పర్యన్ విష్కినిన ప్రస్తిస్తాను పర్గన్ విష్కినిన ప్రస్తిస్తాను పర్గన్ విష్కినిన ప్రస్తిస్తాను పర్గన్ విష్కినిన ప్రస్తిస్తాను పర్గన్ ప్రస్థన్ పర్శనిన ప్రస్థిన పర్గన్నన ప్రస్థనిన ప్రస్థనిన ప్రస్థన్ పర్గన్ విష్కినిన ప్రస్థని పర్గనన ప్రస్థనిన పర్గనన్ ప్రస్థనిన ప్రస్థను పర్గనన్ ప్రస్థను పర్గనన్న ప్రస్థనిన పర్గనన్న ప్రస్థను పర్గనిన ప్రస్థను పర్గనన ప్రస్థను పర్గనన్న పర్గననారు.



సుస్టీరమైన ఆక్వారంగము నిర్వాహణ పై చేపలకు, రొయ్యలకు ఎటువంది ఆహారం అందించాలి, ఏవిధంగా వాటిని ఏనియోగించాలి అనే అంశంపై చక్కగా వివరించినారు. మధ్యాహాన సమయంలో సుస్టీరమైన ఆక్వాకల్సర్ నిర్వాహణతో, ప్రయోగాత్రంగా చూపించటానికి నీటితో వృన్న అక్సిజన్, అమ్మొనియా, నైట్రేటీ, పిహెచ్. పక్కిడిటీ, సెలినిటిని ఎలా చేయాలి అనే విషయంపై డిగ్రీ, బి.ఎస్.సి. ఆక్వాకల్సర్ విద్యార్థులు ఈ వర్మ షాప్ పేరు వేరు కళాశాలల నుండి విచ్చేసిన 15 మంది విద్యార్థులకు ప్రయోగాత్మకంగా చేసి చూపించినారు. ఈ కార్యక్రమంలో కళాశాల కన్వీనర్ టి. (త్రేహరి మరియు డిగ్రీ కళాశాలు ప్రస్తిమాల్ కే సత్యవారాయణ లను మరియు ఉంత కార్య విధాగము ఇతర అద్యాపకేతర్ల, అద్యావక సిబ్బందినీ ఇతర కళాశాలల నుండి విద్యార్థులను అభినందించినారు. అంతేకాకుండా వేరు వేరు కావాళాలల నుండి వచ్చిన విద్యార్థులను అభినందించినారు. అంతేకాకుండా వేరు వేరు కావాళాలల నుండి వచ్చిన విద్యార్థని విద్యార్థులకు సర్టిషికెట్





CERTIFICATE



DEPARTMENT OF ZOOLOGY



CETIFICATE OF PARTICIPATION



This is to certify Sri./Smt./Kum./Dr.

has participated in one Day National Workshop on 'SUSTAINABLE AQUACULTURE MANAGEMENT' (SAM-2023) organized by the Department of Zoology on 4th February 2023, at A.G&S.G Siddhartha Degree college, Vuyyuru, Krishna Dst.(A.P)

Dr.V.Subhashini (Co-convenor- SAM-2023) D.A.Kiranmayee (Convenor-SAM-2023)

K.Satyanarayana (Principal)

Department of Zoology

National Level Workshop on Beekeeping

19.01.2021 REPORT

The scope of beekeeping for pollination in India: Total area of bee-dependent crops in India is around 55 million hectares. Two hundred million colonies are needed to meet this, at the rate of 3-4 colonies per hectare. The country has rich and diversity of flora which ensures quality pollen and nectar to honey bees.

Bee keeping business is profitable and also environmental friendly. More than this, it is interesting and enjoyable. Few additional benefits are listed as under:

- 1. Bees are primarily important for pollination. They are known to increase the crop yields by 25 percent easily. Hence, going for bee keeping business is like serving the society by adding food availability.
- Honey itself is a healthy natural food. Also, it is a useful medicine for variety of ailments. Honey production is thus a service to society.

 3. Royal jelly, pollen, bee wax are
- some other priced bee products.

 4. Like other product production units, bee keeping is not adding to environmental pollution.

1. "To establish areas of conservation throughout the island for the conservation of the native Irish honey bee."

- 2. "To promote the formation of Bee Improvement groups."
- 3. "To provide education on Bee improvement and awareness to the public of the values of, the native Irish honey bee."
- 4. "To act in an advisory capacity to groups and individuals who wish to promote the native Irish honey bee."

Name:..... Designation; College/Institution

Contact Number E. Mail id:

Area of the Bank Accommodation required: YES / NO

Note: Spot registration is also available

Organizing Committee Members.

M.L. Priyanaka, 3686533693. K. Padmaja, 6303311290.

One Day National Level Workshop

Date: 19/01/2021.



Organized by

Department of Zoology (U.G)

A.G.& S.G. Siddhartha Degree College of Arts. & Science (Autonomous), Vuyyuru-521165. Re-accredited with Grade "A" by NAAC with. CGPA 3.05/4.00

Seminar Hall

Convener and Organizing Secretary

D.A.Kiranmyee, 9505861799 Head of Zoology Department.

The college started functioning with Rs. 26,00,000/- as an initial fund with 143 students in B.A., B.Com and B.Sc. (T.M). Today its strength grew to 1164. In response to the growing educational needs of the community in and around Vuyyuru, another B.Sc. section in English medium was started during 1980-\$1. The college was admitted to grant-in-aid from 01-06-1981. In May 2001, the Management of K.C.P.S & I.C Ltd. handed over the college to the management of Siddhartha Academy of General & Technical Education, Vijayawada which had ample experience in running many educational institutions for better maintenance. The Academy rechristened the college as A.G & S.G Siddhartha College of Arts and Science.

The Department of Zoology is one of the oldest Departments of AG & SG Siddhartha Degree College of Arts & Science Being established in 1975, it had the rare privilege of becoming the first Science Department of the College. It started academic instructions at the

Under Graduate level Zoology as major subject for undergraduate Programme of the Magaziuma University. The College is now affiliated to the Krishna University, Machilipatnam. Later the Department offered Undergraduate Programme B.Sc Zoology. Botany and Chemistry. The Programme was modeled on the Annual Evaluation System and the instruction was tailored to address the learning objectives defined in the syllabus. With the introduction of Choice Based Credit System the Department moved to more flexible and innovative space in terms of the form and content of the Programme. The new Programme is structured on Semester basis which runs through 3 years from the entry level. In addition to the affiliated Regular Programme the Department offers Certificate Course

After the college opted for Autonomous System in 2012, the department has started the restructured Programme in Aquaculture with Botany and chemistry combination form the academic year 2019-2020.

Resource Person

K.China Babu; M.A. B.Ed nandapuram, Vuyyuru (MD) Anstronous. Krishna (Dist).

Sri, Dr. D. Bala Krishna Principal, AG & SGS Degree College. (Autonomous), Nuzzuru.

Co-Chairman

Sri K. Satyanarayana. S.O, AG & SGS Degree College (Autonomous), Vuyyuru

Dr.K. Venkateswarlu IQAC Co-Ordinator Superintendent Smt. T. Padmaja

Student Co-Ordinagra

N. Jaya Chandra Manasa

M.Hindu priya

D.Pavani V.Sukumar

S. Radha krishna

K. Mohan sriniyas

K. Yedukondalu

Registration Fee: Only for Offline

For Students: Rs. 50/-For Faculty: Rs. 100/-

Note: - No Registration Fee for Online.

Webinar Platform: Zoom Meet

E-Certificate will be issued to the successful

DEPARTMENT OF ZOOLOGY

One day National Level Workshop on Beekeeping

19.01.2021

Program Sheet

Inauguration

10.00AM:Inviting the Guests on to the dais by III B.Sc. BZC students

10.05: Prayer by M. Swathi II BZC

10.10AM: Lighting the Lamp

10.15 AM: Presidents Opening Remarks by Dr. D. Balakrishna, Principal

10.20 AM: Address by Sri. K. Satyanarayana Special Officer AG& SG Siddhartha College

10.25 AM: Introduction of Workshop by D. A. Kiranmayee HOD Zoology

10.30-11.00 AM: Address by Chief Guest by G. J. Vinay Kumar, Director, AG& SG Inter

College

Tea Break: 11.00 to 11.15. AM

Session I&II-11.15-1.15 PM: Sri. K. ChinnaBabu M. A

Lunch break: 1.15- 2.15

Session III&IV 2.15- 4.15 Practical on Bee Keeping

4.15 -5.00 PM: Valedictory Function

DEPARTMENT OF ZOOLOGY

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19.01.2021 REPORT

Honey is a very complex matrix due to the presence of several chemical classes of compounds Viz. sugars, enzymes (Diastase and Invertase), organic acids (Gluconic acid, Acetic acid, etc.), vitamins, volatile chemicals, phenolic acids, flavonoids and minerals in a very large range of concentrations. The absence of uni floral honey in the Indian market has also complicated the various quality aspects related to honey. The processing of honey requires the minimum equipment sut it is an important step to control the quality of honey. Somehow, the process of crystallization is also dependent on the processing of the honey. The extraction and processing of honey done by the beekeepers at farm level still needs a lot of improvement from the equipment and hygiene point of view.

Keeping in view the importance of beekeeping and to achieve the goal of "Sweet Revolution" the Department of Zoology has organized One Day National Workshop was organized on 19.01.2021.

Objectives:

- a. Promoting holistic growth of beekeeping industry for income & employment generation, providing livelihood support to farm and non-farm households and to enhance agriculture/ horticulture production.
- b. Developing additional infrastructural facilities for developing quality nucleus stock of honeybees, multiplication of stock by bee breeders, setting up of disease diagnostic lab.
- c.Empowerment of Women through Beekeeping
- d.To maximize, economic, ecological and social benefits by diversification through beekeeping by production of higher quantity and good quality of honey and otherhigh value beehive products, viz.; bee wax, bee pollen, propolis, royal jelly, comb honey bee.

Inaugural session:

Dr. D. Balakrishna Principal of the College was the chief guest and Key note speaker for Inaugural session. Sri., K. Satyanarayana special officer of the college, Sri. G. J.V. Vinay Kumar, Director of Siddhartha Junior College and Sri. Naga Prasad, Head Department of Computers are the invited Guests for the workshop.

The Key note address was given byDr. D. Balakrishna, Principal of the College. He enlightened the students with the importance of honey and other products of honey bee. He mentioned the following points in his speech

Beekeeping is one of the oldest traditions in India for collecting the honey. Honey became popular due its market demand in National and International markets. Beekeeping also help to increase agriculture productivity through pollination. Honeybees in addition to producing honey, bee wax and royal jelly is also produced,

thus giving additional benefits to the farmers. After successive losses in traditionally grown crops, farmers are inclining towards bee farming. In order to maximize agricultural production, honeybee can be used as an important input agent.

Technical session I &II

Resource person – Name & Designation: -K.ChinaBabu; M.A.,B.Ed Anandapuram, Vuyyuru

K.ChinaBabu started the technical session with a brief history on Biology of Honey bees. He explained about the beneficial honey bee products like Bee Pollen, Beeswax, Propolis, Royal Jelly and Bee venom. These products are collectively called BEE PRODUCTS which are applied in medicinal industry. He said that all honey bee products are significant for various health benefits. In addition, recent studies have proved its effectiveness for human health and diseases. In the near future, these honey bee products have the potential chance to be available as pharmaceutical products. He also told about requirement of quality of beehives and equipment's/tools for starting apiculture. Simultaneously he described the methods of producing queen bees. He stated that the queen bees produce queens under three conditions: early, supersede and emergency. It has become necessary for scientific beekeeping to prepare many queens in advance, as soon as a queen appears mature, weak or ill, then the queen bee can be given to that offspring immediately.

In the afternoon technical session is conducted to the student. They were shown practical management of apiary and processing of honey. He practically showed the participants about

Handling of beehive

BEE hive Nutrition

Movement of bees

At the end of the training session the students learned about

- Handling of beehives
- Feeding beehives
- Beehive nutrition
- Movement of beehives
- Location site needs at different times of the year
- Operation and maintenance of machinery
- Observing business management and taught pricing of honey on the market and pollination contracts dealing with fluctuating prices.

Valedictory Session:

The valedictory function was held at 5.00 Pm on 19.01.2021

The principal of the College Dr. D. Bala Krishna was the Chief Guest for the session. All the participants were given participation certificates by the chief guest. He mentioned that through this Workshop the participants could acquire the knowledge of Bees Maintenance, their products and by products for utilization of mankind. In his remarks he urged the participants to become self employed by using this knowledge.

The work shop was well covered by the electronic media and various local newspapers. Approximately 150 candidates (Students, Research scalars, Faculty) have been registered and participated and e-certificates & offline certificates were distributed.

Conclusion:

Empowerment of Women through Beekeeping.

To maximize, economic, ecological and social benefits by diversification through beekeeping by production of higher quantity and good quality of honey and other high value beehive products, viz.; bee wax, bee pollen, propolis, royal jelly, comb honey, bee venom, etc. for domestic and export market;

To strengthen beekeepers by developing institutional framework through collective approach viz.; formation of SHGs/ FPOs/ Beekeepers Cooperatives/ Federations, etc.

Albert EinsteinQuote:

***If the bees disappeared from the surface of the globe the man would only have four years of life left. No more bees, no more pollination, no more plants, no more animals, no more man".



K.ChinaBabu M.A.B.Ed at the Technical Session





K.ChinaBabu M.A.B.Ed interacting with students

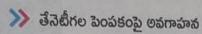


Felicitation to K. China Babu M.A.B. Ed



Distribution of Certificates to Participants

Paper Clippings



ఉయ్యూరు, న్యూస్టుడే: లేనె స్రకృతి వర స్రాదాయిని, పోషకాల గని, ఔషధ ఆయుధ మని నాలుగు దశాబ్దాలుగా తేనె పర్మిశమ నిర్వాహకుడు కె. చినబాబు అన్నారు. స్థానిక ఏజీఎస్జీఎస్ కళాశాలలో 'తేనెటీగల పెంపకం-జీవనోపాధి' అనే అంశంపై మంగళ పారం ఏర్పాటైన సదస్సులో ఆయన పలు ఆంశాలను విద్యార్మలకు వివరించారు. తక్కువ ఖర్చుతో మంచి లాబాలు పొందే పీలుందని, యువత దీని వైపు దృష్టి పెట్టా లని కోరారు. కళాశాల ప్రిన్సిపల్ డాక్టర్ బాల కృష్ణ, ప్రత్యేకాధికారి సత్యనారాయణ, ఐక్యూ ఏసీ కన్వీనరు డాక్టర్ వెంకటేశ్వర్లు తదిత రులు పాల్గొన్నారు.

