

DEPARTMENT OF ZOOLOGY

ACTIVITIES OF DEPARTMENT OF ZOOLOGY FOR YEAR 2017-18

1.FIELD TRIP:

33 III B.Sc CBZ students visited Poultry Farm-Sultanabad on 24.06.17 at 3.00pm under guidance of Mrs.M.Adilakshmi and Ms. M.Arana. Students observed cage system of poultry farming – layers .Single comb, white leghorn layers are rearing in the farm. 4 layers are kept in each cage. Feed channel and tap water system with nipple drinkers are provided. They got information about the management of rearing of layers .

Out come: Through this field trip , students came to know the management of Poultry farm and gained practical experience.



2.STUDY TOUR:

35 III B.Sc CBZ students visited Rajiv Gandhi Centre for Aquaculture at Manikonda on 30.06.17 at 10.30 am under guidance of Mrs.M.Adilakshmi and Ms. M.Arana. There, Mr. Appalanayudu, Tilapia project manager explained Tilapia fish culture about the management and breeding techniques. He focused on highlights of genetically improved formed Tilapia (GIFT) i.e Fully pedigree selectively brood stocks, high growth rate, survival rate and reproductive rate, suitable for both low density and intensive culture systems, highly rated flesh quality, now being farmed in 11 Asia- Pacific countries and 2 Latin American countries., Training programs conducted in breeding, seed production and grow out farming Tilapia and providing technical assistance for the establishment of hatcheries and breeding centre's for GIFT.

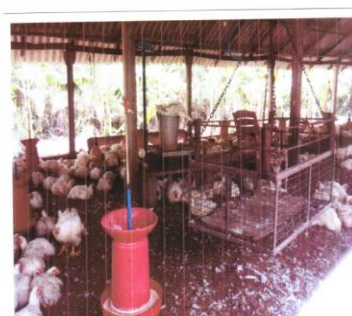
Out come: Students gained the knowledge of rearing, management and breeding techniques of Tilapia fish culture and freshwater prawn (Scampi) culture. The field trip helped the students to gain the practical experiences, market value and food value of Tilapia fish.



3. FIELD TRIP-

33 III B.Sc CBZ students visited Poultry Farm-Kopalle and Gudivada On **22.07.17** at 3.00pm under guidance of Mrs.M.Adilakshmi and Ms. M.Aruna. Students observed cage system of poultry farming – layers .Single comb, white leghorn layers are rearing in the farm. 4 layers are kept in each cage. Feed channel and tap water system with nipple drinkers are provided. They got information about the management of rearing of layers . Then we proceeded to rearing of Broiler in deep litter system at Kopalle. The owner explained in detailed about the types of chick meal, timings, types of vaccines, precautions, deworming, debeaking, identification and isolation of infected birds, ventilation, maintenance of temperature and marketing. He also showed samples of vaccines with companies what they used .

Out come:Through this field trip , students came to know the management of poultry farm i.e. layers and broilers and gained practical experience.



4. FIELD TRIP TO FISH POND:

33 III B.Sc CBZ students visited fish breeding center at Kuchipudi and Pedaravuru on 05.08.17 at 1.00pm under guidance of Mrs.M.Adilakshmi and Ms. P. Bujamma.Students observed the process of Induced Breeding in Catla and Labeo, Chinese hatchery ,breeding

hapa, breeder tank, spawn and fish fry and transport of fish seed. They came to know the importance of self employment.

Out come: The field trip helped the students to have practical experience. Whatever they learned in the class room, they observed it in the field itself. It also encourages the students to realize the importance of self-employment



5. ELOCUTION COMPETITION

Departments of Zoology conducted an Elocution competition on **“ROLE OF YOUTH TO PROTECT ENVIRONMENT FROM GLOBAL WARMING”** for Degree students on 09.08.2017 at 3.00 pm in IQAC room. Duration is seven minutes. 15 students were participated in that competition. Mrs.T.Manjulatha, HOD of Botany ,Mrs. K.Nirguna, HOD of Chemistry and Mrs.M.Adilakshmi, HOD of Zoology were acted as judges and finalized the prize winners. Prizes are distributed to prize winners.



6.COMMUNITY DEVELOPMENT PROGRAMME -PLANTATION

Department of Zoology took up the plantation activity on 22nd August 2017 room 4.00pm on wards. 8 students of III B.SC and Zoology faculty reached Indira nagar colony at chenchupet ,Tenali an Adopted area for community development programme by 4.00pm and selected areas with out avenue trees. The following samples i.e. Citrus, mango, Guava, Coconut ,Hibiscus are

planted. Students requested the neighbours to take care of the plants. So that those plants would provide clean air and protect the future generation from pollution.



7.CELEBRATION OF NON-TEACHING STAFF DAY:

Department of Zoology celebrated NON-TEACHING STAFF DAY on 06/09/17 at 3.30pm in the old Auditorium. In this connection, Department of Zoology conducted Housie and Last One In The Circle games for Non-Teaching Staff on 1/9/17. Prizes were distributed to Prize winners on this day by our Principal Rev.Sr.Dr.Shiny.K.P. . I B.Sc , II B.Sc and III B.Sc CBZ students were entertained the Non teaching staff by their skit & dances . They enjoyed a lot.



8.REGION LEVEL STUDENT SEMINAR AND INTERCOLLEGIATE PAPER PRESENTATION COMPETITION

Region level student seminar and Intercollegiate paper presentation competition on ” **Applications of cloning for human welfare and vectors**”.was organized by the dept of zoology on 12th September 2017 at 1.30 pm for all degree students in the IV Block. Dr.P.Sudhakar dept of Biotechnology ANU was the Resource person. Paper presentation competition conducted on ” **Applications of cloning for human welfare and vectors**”. **140** students participated. Out of which 13 students presented paper presentations .Rev.Sr.Dr.Shiny.K.P, Principal distributed the prizes to prize winners.



9. ENDOWMENT LECTURE:

Dept. Of Zoology was Arranged an Endowment Lecture on 22.11.17 in loving memory of Mrs.K.Emma Mary, Late Former Lecturer in zoology on ” **Classification and brief description of various types of Hypersensitivity**”. Dr. M.Guravaiah, Assistant professor, Head, Department of Biotechnology, J.K.C college, Guntur gave a detailed information about the Hypersensitivity, i.e. definition, causative factors, types of Hypersensitivity, Autoimmunity and Immunodeficiency with suitable examples.



10. POSTER COMPETITION on “KINDNESS”

In Connections with the theme of the year, Departments of Zoology conducted a poster competition on “**Kindness**” for Degree students on 24.11.17 at 3.30 pm in Zoology Lab III . Duration is one hour. 15 students were participated in that competition. Mrs.K.Prameela, HOD of Botany, Mrs. K.Nirguna, HOD of Chemistry and Mrs.M.Adilakshmi, HOD of Zoology were

acted as judges and finalized the prize winners. Prizes were distributed to the prize winners.



11.RAVINDRA BHARATHI PUBLIC SCHOOL STUDENTS VISITED ZOOLOGY MUSEUM ON 24.11.17. IV to X students visited zoology museum to observe different types of fishes, prawns, crabs, snakes, crocodiles, mammals, stuffed birds, shells, corals, various models, skeletons and preserved rare specimens. Mrs .M.Adilakshmi and Mrs.M.Aruna explained their identification & characteristic features of specimens and models.



12.KRISHNA VENI PUBLIC SCHOOL STUDENTS VISITED ZOOLOGY MUSEUM on 28.11.17. IV to X students visited zoology museum to observe different types of fishes, prawns, crabs, snakes, crocodiles, mammals, stuffed birds, shells, corals, various models, skeletons and preserved rare specimens. Mrs .M.Adilakshmi and Mrs.M.Aruna explained their identification & characteristic features of specimens and models.



13. SALIDORITY DAY -SALES MELA:

Objective:To help to poor student education

All the Heads of the departments including Principal and Correspondent had decided to conduct **Sales Mela** for Inter and Degree students on 8th December 2017 from 9.30am to 4.30pm In this connection Department of zoology and Botany have decided to sell different food items and play cinema for the students and also to the teaching and Non-teaching staff. .On that day we gained the profit was Rs.3600/- which was handed over to the principal.

Out come: The profit gained in the sales mela is contributed to the poor ST TRIBAL students of KONDRAMUTLA. Students developed the service motto.



14. EXTENSION ACTIVITY: VISITED SWADHAR HOME AT NGALAKUDURU

20 III B.Sc[CBZ] students and Ms.M. Adilakshmi & Ms.M.Aruna Dept of zoology visited SWADHAR home on 15.12.17 at 11.30am. Students and staff interacted with inmates of SWADHAR home. 95 people are staying in that home. Students enquired their health, facilities available and family particulars and got the information why they are staying in this home. The inmates share their experiences with students. The manager explained the history of SWADHAR and different categories of inmates. Our students entertained inmates with songs, skit and dances and distributed fruits to them. Then she gave suggestions to the students about the value of parents & elder people. Students were enlightened with social and spiritual values.



15.FIELD TRIP- SUPER SHRIMP ABAD OVERSEAS- NIZAMPATNAM

III B.Sc CBZ students visited “**Super shrimp abad overseas unit**” at Amudalapalli,Nizampatnam. on 05-01-2018. which was 50 kms. from JMJ College for women, Tenali. Under the guidance of Mrs.Sarojini.chiluvuri and Mrs.P.Bujjamma, Lecturers in zoology. Species like *Peneaeus vennamei*,& *Peneaeus monodon* (Black Tiger Shrimp) are the two main species which are processed in this unit.About 200 members are working in this unit in two shifts.Harvested shrimps are soaked in Sodium Meta Bisulphate solution (SMBS) to prevent melanosis for 10 minutes and weighed before to their transport to the unit by insulated trucks. If the processed shrimp are not marketed in the stipulated time the unit diverts the product for utilization as sea food menu in their own resorts and restaurants.



16. SCHOOL EDUCATION PROGRAMME:

Objective :“Learn to teach and Teach to learn”

Ms.B.Dhanalakshmi,S.Lakshmi Prasanna, explained the “**FOOD FROM ANIMALS**” for VIII class students of A/S &B/S and R.Mounika and B.Rama Pravallika explained the “**ADAPTATIONS IN ECOSYSTEMS**” for IX class students of A/S &B/S with the help of charts , models and PPT. under guidance of Ms. M.Adilakshmi and Ms.P.Bujjamma on

11.01.18 from 2.00 to 4.30 pm at KSM High school, Tenali. Students were observed very enthusiastically and felt very happy for the opportunity they got.

Out come: Our students learned how to learn, how to guide and how to motivate the students by handlings the class. They gained the practical experience and understanding the behavior of students.



17. GUEST LECTURE

A guest lecture was arranged on “**Structure and functions of major histocompatibility complexes and Cytokines**” for III B.Sc CBZ students on 22.1.18 at 10.00 am in the zoology lab I .Mr.M.Satyaprasad, Lecturer in Biotechnology,NVR&KSR Gupta Degree College,Tenali was the resource person. He also explained and demonstrated the ELISA – Indirect Elisa test,Direct Elisa test, Malarial test and Pregnancy test etc. Students gained the knowledge about Structure and functions of major histocompatibility complexes and Cytokines and practical experience.



18.GUEST LECTURE

Department of zoology was arranged a guest lecture on “**Vermiculture and Vermicompost**” for B.Sc CBZ students on 10.1.18 at 3.30pm in the Mini Auditorium. Mr.A.Raghu Ramireddy, General secretary, Nilagiri foundation, Atmakur, Mangalagiri was the resource person. He also explained the preparation of panchakavya, pancha amrutha, vermiwash, eggamino and fishamino which are used as biofertilisers and act as biopesticides to control pests infections.Students gained the knowledge about economic importance of the **Vermiculture and Vermicompost**’.



DEPARTMENT OF ZOOLOGY PUBLICATIONS BY THE FACULTY

1.Ms. M. Adilakshmi faculty of Zoology attended the two day UGC sponsored National Seminar on “Better Health and fitness Management through physical education” organized by Dept. of Physical education held on 10th & 11th Aug.2017 in JMJ College for women, Tenali, and published a paper on “Modern trends in fitness “with ISBN NO-2455- 0418(p) 2394-9724(0)

2.Ms. M. Adilakshmi faculty of Zoology attended the one day National Seminar on “Social Responsibility and Ethics in Higher education” organized by IQAC, VSR&NVR College, Tenali held on 1.9.2017 and published a paper on “Teacher social responsibility” **With ISSN no: 2349-7408 IJMART**, volume IV, Issue 2(2) September 2017

3.Ms. M. Adilakshmi faculty of Zoology attended the one day National Seminar on “Social Responsibility and Ethics in Higher education” organized by IQAC, VSR&NVR College, Tenali

held on 1.9.2017 and published a paper on “professional Ethics in Teachers of Educational Institutions” **With ISSN no: 2349-7408** IJMART, volume IV, Issue 2(2) September 2017

4. Ms. M. Aruna faculty of Zoology attended the two day UGC sponsored National Seminar on “Better Health and fitness Management through physical education” organized by Dept. of Physical education held on 10th & 11th Aug.2017 in JMJ College for women, Tenali, and published a paper on “Modern trends in fitness “with ISBN NO-2455- 0418(p) 2394-9724(0)

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7. Ms. M. Aruna faculty of Zoology attended UGC and APSCE sponsored two day National seminar on “Recent advances in chemistry and Environmental sciences” organized by Dept. of chemistry on 13th and 14th November 2017 at JMJ college for women, Tenali and published a paper on “Chemical Biology

8. Ms. Ch. Sarojani attended a National Seminar on” Humanism – Essential for Ideal Society and Blissful life” (NSHMU-2017) in KBN College, Vijayawada- Presented a paper with title” Biblical path to enhance human values to lead blissful life.” on 30.6.2017, ISSN NO:2277-8160 Volume 9, No:50, pg.no.114-116 IF 4.547, K value 80.26

9. Ms. Ch. Sarojani attended UGC sponsored National Seminar on “Women Empowerment Media, Cinema and theater- Prospects and Challenges” held on 21 and 22 July, 2017 in KBN College, Vijayawada and presented a paper with title “Cyber savagery against women-present scenario”. .”ISSN NO:2277-8160 Volume 9, No:17, pg.no.114-116 IF 4.547, K value 80.26

10. Ms. Ch. Sarojani faculty of Zoology attended two day UGC sponsored National Seminar on” Better Health and fitness Management through physical education” organized by Dept. of Physical education held on 10th & 11th Aug.2017 in JMJ College for women, Tenali, and published a paper on” Spritual life enhance psychological well being and prosperity in life” ISBN NO-2455- 0418(p) 2394-9724(0)

11. Ms. Ch. Sarojani faculty of Zoology attended two day UGC sponsored National Seminar on” Recent trends in Mathematics and Mathematic Applications” from 20.9.17 to 21.9.2017 in JMJ college for Women, Tenali and published a paper on” Advanced applications of Mathematics in understanding Biosciences” with ISBN No: 978-93-85101-95-3 page no-248 to 254

STAFF AS PARTICIPATION

1. Ms. M. Aruna attended one day State level Workshop on "Ecological Data collection and analysis" at Maris Stella College, Vijayawada on 24.7.2017- In this workshop 11 members of III BSc students were participated.
2. Ms. M. Adilakshmi and Ms. M. Aruna faculty of Zoology, B. Dhanalakshmi, A.Kusuma, B. Ramapravallika, D. Harshitha, and D. Ani Manjeera, of III B.Sc., M. Nagatulasi, V.Kavya, N.Toshitha, Bhargavi, S. Prasanthi, and K.Byula of II B.Sc., student attended the one day State level seminar on "Shape your Future clean and green environment" organized by Dept. of Zoology and Botany held at Maris Stella College, Vijayawada on 10.8.2017
3. Ms. Ch. Sarojani faculty of Zoology attended workshop on "Molecular Biology Techniques" from 23rd to 24th August 2017 at Govt.College for Women,Guntur
4. S.Lakshmi prasanna, R.Mounika, A.Kusuma, B. Ramapravallika, D. Harshitha, and G.Esther Rani, D.Gayathri, T.Blessy, G.Madhavi, M.Bhavya, C.Yamini, D. Ani Manjeera,B.Sravanthi,M.Manjusha, Ch.Santhipriya of III B.Sc., along with Mrs. M.Aruna Department of Zoology attended One day National level Workshop on "Emerging Trends in Immunotechniques" organized by the Dept. of Zoology, Botany, Biotechnology and Microbiology held at JKC College, Guntur on 23rd January 2018.

STAFF ACTED AS RESOURCE PERSON

1. Mrs.M.Aruna, lecturer in zoology gave a guest lecture on "Principles of poultry farming" to III B.Sc CBZ students at AC college, Guntur on 24.07.17
2. Mrs.M.Aruna, lecturer in zoology gave a guest lecture on "Breeds of cattle and Buffaloes" to III B.Sc CBZ students at AC college, Guntur on 07.08.17
3. Mrs.M.Aruna, lecturer in zoology gave a guest lecture on "Literacy and health" on the occasion of world literacy for all Degree students at VSR & NVR college, Tenali on 08.09..17
- 4.Mrs.M.Adilakshmi, lecturer in zoology gave a guest lecture on "AIDS awareness" on the occasion of world AIDS day for all Degree students at VSR & NVR college, Tenali on 01.12.17
- 5.Mrs.M.Adilakshmi, lecturer in zoology gave a talk on "Rules, Discipline and facilities available in the college" and Ms. Ch. Sarojani faculty of Zoology gave a talk on "Examination rules and Evaluation pattern" in Parent –Teacher meet held on 16.12.17 at 10.30 am.