

Vivekanandha Arts and Science College for Women

Veerachipalayam, Sankari West Post, Salem District

Department of Microbiology

EVENTS OF THE ACADEMIC YEAR 2019-2020

MoU:

- Signed MoU for Research collaboration between Krishi Vigyan Kendra, Indian Council for Agricultural Research, Gobichettipalayam on 24.01.2020 and our Department. Another MoU has been signed with Bioneemtech India Private Limited, Chennai on 14.12.2020.

PLACEMENT:

7 students (Ms.M.Kasthuri, Ms.R.Ishwarya, Ms.A.Deepa, Ms.E.Ramya, Ms.S.Jeevitha, Ms.A.Poonguzhali, Ms.K.R.Sasi Rekha) of our Department got selected in the Campus interview of Visionary RCM Infotech, Coimbatore.

DEPARTMENT ACTIVITIES OF THE ACADEMIC YEAR:

- On behalf of the Microbiology Department, **Pasteur Club** was started in the academic year 2017. As an initiative of the academic year 2019-20, the Pasteur club was re-inaugurated on July 31, 2019 with its first programme **Microtalentia'19**. Office bearers for the Club was elected and honoured on the day and Students from III B.Sc., Microbiology presented their papers related to Fundamentals and various divisions of Microbiology to make aware of the Scope of the course to the I year students.
- This was followed by the second activity on **Microbios Expo'19** organized by the Students of II B.Sc., Microbiology on 07.08.2019. Students displayed various bioproducts used in the day-to-day life.
- The third activity of the Club was **“Preparation of Bioproducts”** organized by the Students of III B.Sc., Microbiology on 13.09.2019. Students prepared bioproducts like Bio soaps, Bio enzymes etc.

- An “**Awareness programme on Iodine Deficiency disorders and Mosquito borne diseases**” was organized by I B.Sc., Microbiology Students on 18.12.2019. Students displayed charts and models regarding the diseases caused by mosquitoes.

INDUSTRIAL VISITS:

- The very first Industrial Visit of our Department for the academic year 2019-2020 is to **Vivekanandha Medical Care Hospital**, Elayampalayam on 25th July 2019. 42 students from I B.Sc., Microbiology took part in the Industrial Visit. Students had an exposure on Clinical laboratory and Blood banking.
- Students from I B.Sc., Microbiology had a visit to **Aavin Dairy**, Chithode, Erode on August 8, 2019. They learned the process of Butter and Khoya Production, Milk Processing Unit and Microbiological Quality testing of Milk.
- Students from II and III B.Sc., Microbiology had a Industrial visit cum Tour to **Pasteur Institute of India**, Coonoor . 50 students from the Department of Microbiology had the visit along with Students from the Department of Biochemistry on September 5, 2019.
- Students of I B.Sc and II B.Sc., Microbiology had an Industrial Visit to the ICAR institute, **Krishi Vigyan Kendra**, Gobichettipalayam on 09.10.2019. This IV helped the Students to learn about Organic farming.
- II and III B.Sc., Microbiology Students went for an Industrial Visit to **Nanolab Diagnostic Centre**, Namakkal on 12th October 2019. The IV made the students to get knowledge on Haematology and Clinical Microbiology which is the major areas in the Diagnosis of diseases.

WORKSHOPS, GUEST LECTURE & SEMINAR:

- Organized two workshops such as One day workshop jointly organized by the Department of Microbiology and Awe Care Research laboratories, Erode on “**Spirulina production and Quality management**” on 20.12.2019 and One day workshop on “**Microbial Informatics**” on 25.01.2020 by Dr.E.Balamurugan, Associate Professor, Annamalai University.

- Jointly Organized Second National Seminar on “**Emerging trends in Biological Sciences**” on September 27, 2019 with the Department of Biochemistry and Biotechnology.
- Our alumni of VICAS **Ms.B.Kirubavathy** and **Ms.P.Megala** working as a Medical Coder in **Vee Technologies**, Salem gave a guest lecture to the Students of Microbiology on **Medical Coding** on 2nd August 2019. Through this Guest lecture, Students got an idea on the Job opportunities of Medical Coding, and knew the importance of Medical Transcription and Health Insurance.

PARTICIPATIONS AND ACHIEVEMENTS OF THE STUDENTS:

- ◆ 3 students of our Department participated in the International Seminar on “**Advances in Computational Science**” organized by the Department of Computer Application, Muthayammal College of Arts and Science, Rasipuram On 31.07.2019.
- ◆ 14 students of our Department participated in the National Conference on “**Frontiers in Biotechnology**” organized by the Department of Biotechnology, Nandha Arts and Science college, Erode.
- ◆ 8 students took part in the Hands-on training on “**Transfer of PTC technology to Stakeholders of farming community**” organized by the Department of Biotechnology, Kongunadu Arts & Science College on 27.08.2019.
- ◆ Our Students also participated in the Guest Lecture on “**DNA Barcoding**” organized by the Department of Biochemistry, VIAAS on 30.08. 2019.
- ◆ 5 students attended two days Workshop on “**Emerging Trends in Biodiversity Conservation**” organized by the Department of Zoology, N.K.R Government Arts College on 12th and 13th September 2019.
- ◆ Our I B.Sc Students at the Workshop on “**Foldscope Utilization**” organised by K.S.R College of Technology on 16.10.2019.
- ◆ 4 of our students participated in the DBT STAR college scheme supported National level workshop on “**Biological Risk management**” organized by the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram during 18.12.2019 – 19.12.2019.
- ◆ Our II B.Sc., Students Ms.G.Oviya priya, S. Vaishnavi and Ms. M. Nanthini devi

presented their poster in the National Conference on “**Biotechnological Intervention for sustainable crop improvement (BISCI-2020)**” organized by the Department of Biotechnology, Periyar University, Salem on 13th and 14th February 2020.

- ◆ 13 students from II and III B.Sc., Microbiology participated in the DBT STAR college scheme sponsored National symposium on “**Mitochondria in Health and Disease**” organized by the Department of Biochemistry and Biotechnology and Society of Mitochondrial Research and Medicine, Kongu Arts and Science College on 21st February 2020.
- ◆ 6 students from III B.Sc., Microbiology attended the DBT STAR college scheme sponsored four days workshop on “**Analytical Techniques in Biological Sciences**” organized by the Department of Biotechnology, Nehru College of Arts and Science during 18th to 21st February 2020.
- ◆ 12 students from III B.Sc., Microbiology attended the DBT STAR college scheme sponsored three days workshop on “**Analytical Techniques in Biological Sciences**” organized by the Department of Microbiology, Nehru College of Arts and Science during 25th to 27th February 2020.

EXTRA CURRICULAR ACTIVITIES:

- ◆ Our students performed Group dances in the Association Inaugural function and Freshers day function of our college.
- ◆ 17 students from our Department has participated in the **Leaf art and Brain boosters organised by the Department of Biotechnology**, VIAAS on 14.08.2019.
- ◆ 40 Students of our Department participated in various competitions like Group Dance, Face painting, Art from Waste, Cookery in the Intercollegiate competition organized by Nandha Arts and Science College during 30 and 31st January 2020.
- ◆ Our students **Ms. J. Deena of II B.Sc., Microbiology** won second prize in the “**Single touch art**” competition organized by the Watson and Crick Club, Department of Biotechnology, VIAAS and **Ms. M.Dhaarani and Ms. S. Ismath Siffara of II B.Sc., MB** won second prize in the “**Wealth from Waste**” competition on 19th February 2020.
- ◆ Ms. S. Vaishnavi and Ms. L. Priyanka of II B.Sc., Microbiology participated in the dance competition in the Intercollegiate competition organized by Bharathidhasan College of

Arts and Science on 28th February 2020.

STAFF ACHIEVEMENTS:

- Dr.S.Prakash , Head Incharge has delivered a keynote address and chaired the Session in the first International conference on “Sustainable Development in Energy and Environment” organized by Kamaraj College of Engineering, Virudhunagar on 18th to 20th July 2019.
- Dr.S.Prakash has chaired the session in the National Seminar on Exploring Bionanoscience in Pharma, Agri, Food science and Industrial microbiology organized by CBNR, Coimbatore on 30 and 31st July 2019.
- Dr.S.Prakash has delivered a Talk on “Food Preservation” in All India Radio” Trichy on 01 & 02.08.2019.
- Dr.S.Prakash and Dr.S.Sugesh attended two days Industrial training in ICAR – Krishi Vigyan Kendra, Gobichettipalayam during 1st and 2nd December 2019.
- Ms. A.S.Swarnalakshmi AP/MB participated in National workshops, National Seminars and International Conference.

(i) National Conference on “**Frontiers in Biotechnology**” organized by the Department of Biotechnology, Nandha Arts and Science college, Erode.

(ii) International Seminar on “Neutraceuticals in Biological Sciences” organized by Nutrition and Dietetics Department at SakthiKailash Women’s College, Dharmapuri on 18.07.2019.

(iii) Workshop on “**Foldscope Utilization**” organised by K.S.R College of Technology on 16.10.2019.

(iv) Participated in the DBT STAR college scheme supported National level workshop on “**Biological Risk management**” organized by the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram during 18.12.2019 – 19.12.2019.

◆ Totally, 3 papers were published by the staff members for this academic year.

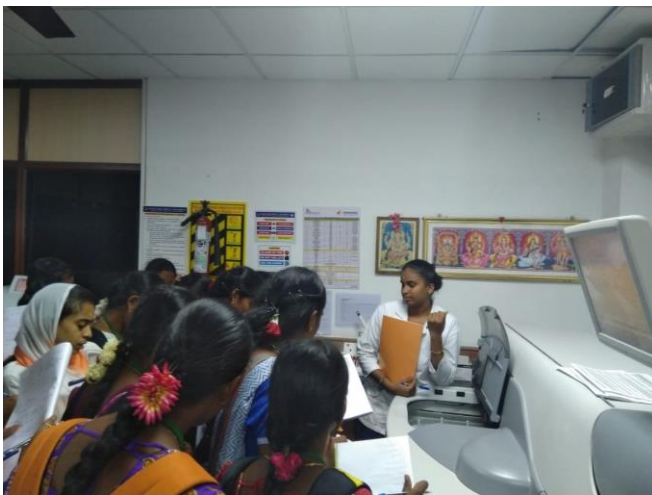
1. Dr.S.Prakash published paper on “**Larvicidal potential of *Vetiveria zizanioides* against dengue virus spreading *Aedes aegypti* mosquitoes**” in Asian Journal of Phytomedicine and Clinical Research, Volume 7, Issue 3, 2019.

2. Ms.A.S.Swarnalakshmi published paper on “**Production of Gibberellin from *Pseudomonas fluorescens* and *Fusarium oxysporum* and its growth promoting activity on vegetable crops**” in Asian Journal of Research in Pharmaceutical Sciences and Biotechnology, Volume 7, Issue 3, 2019.
3. Ms.A.S.Swarnalakshmi published paper on “**Isolation and Identification of bacteria from persons with asymptomatic Urinary tract infection and Evaluation of Antimicrobial activity**” in Asian Journal of Research in Pharmaceutical Sciences and Biotechnology, Volume 7, Issue 4, 2019.
- ◆ Ms.A.S.Swarnalakshmi qualified NET exam conducted by Indian Council for Agricultural Research (ICAR) in January 2020.

INDUSTRIAL VISITS

Industrial Visit to VMCH:

I B.Sc., Microbiology Students – 42 members in an Industrial Visit to Vivekanandha Medical Care hospital on 25.07.2019



With Laboratory Personnel



Near Blood bank

Industrial Visit to Aavin Dairy, Chittode

I B.Sc., Microbiology Students – 42 members in an Industrial Visit to Aavin Dairy, Chittode, Erode on 08.08.2019



Industrial Visit to Krishi Vigyan Kendra, Gobichettipalayam

Our II and III B.Sc., Microbiology Students along with the Students of Biochemistry Department in an Industrial Visit to ICAR Institute, Krishi Vigyan Kendra, Gobichettipalayam on 09.10.2019.



Students visiting Azolla Cultivation



Industrial Visit to Nanolab, Namakkal

Our II and III B.Sc., Microbiology Students along with the Students of Biochemistry Department in an Industrial Visit to Nanolab Diagnostic Centre, Namakkal on 12.10.2019.



Industrial Visit cum Tour to Pasteur Institute of India, Coonoor

Students from II and III B.Sc., Microbiology had an Industrial Visit cum Tour to Pasteur Institute of India, Coonoor on 05.09.2019.



At Sim's Park, Coonoor



Dr. Sekar explaining about Vaccine Production at Pasteur Institute



At Rose Garden



At Pasteur Institute of India

Guest Lecture

Our Alumni of VICAS, Ms. B. Kirubavathy, Medical Coder, Vee technologies, Salem and Ms. P. Megala, Medical Coder, Visionary RCM Infotech, Coimbatore gave a guest lecture to our Students on “Medical Coding” on 02.08.2019.



Lecture Session by Ms. B. Kirubavathy and Ms. P. Megala



Pasteur Club activities:

Club activity – I: Microtalentia 2019:

Pasteur Club for the academic year was inaugurated and the first Club activity Microtalentia 2019 was organized on 31.07.2019



Honouring of the new office bearers of the Club by the office bearer of the academic year 2018-19.



Lighting of the Holy lamp by our Head Incharge



Paper presentation by our Students

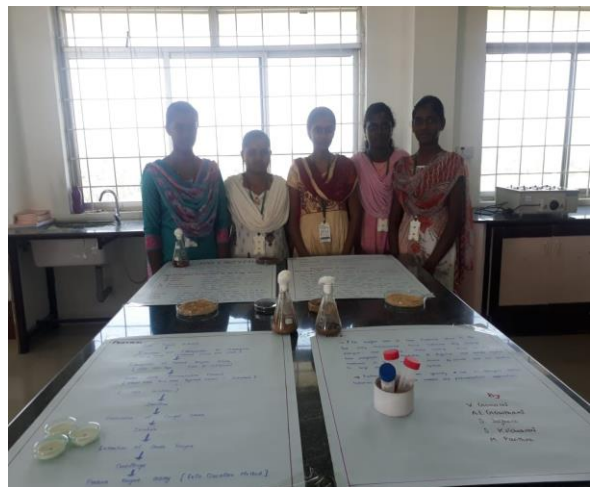
Club Activity – II Microbios Expo 2019:

Students of II B.Sc., Microbiology organized the Club activity on Microbios Expo 2019 on 07.08.2019.



Club Activity – III Preparation of Bioproducts:

Students of II B.Sc., Microbiology organized the Club activity on Microbios Expo 2019 on 13.09.2019.



Club Activity – IV Awareness programme on Iodine Deficiency & Mosquito borne diseases:

Students of I B.Sc., Microbiology organized the Club activity on Iodine Deficiency and Mosquito borne diseases on 18.12.2019



National Seminar on Emerging Trends in Biological Sciences:

Organized by the Department of Biosciences (Biochemistry, Biotechnology and Microbiology) on 27.09.2019.



Lighting of the Holy lamp by the Dignitaries



Release of Souvenir



Our I B.Sc., Microbiology Student presenting poster



Students at the National Seminar

Workshops:

Workshop on Spirulina Cultivation:

On behalf of the activities of the Department of Microbiology, One day workshop on “Spirulina production and Quality management” was jointly organized by the Department of Microbiology and Awe Care Research & Development Laboratory, Erode for the willing students of Microbiology Department on 20.12.2019. Totally, 50 students participated in the one day workshop.



Workshop on Microbial Informatics:

One day workshop on “Microbial Informatics” was organized by the Department of Microbiology for the willing students of Microbiology Department on 25.01.2020. Totally, 50 students participated in the one day workshop. Dr.E.Balamurugan, Associate Professor, Department of Biochemistry and Biotechnology, Annamalai University presided over the Workshop and gave training to the students regarding Bioinformatics.



Students Participation in other College/Departments:



Leaf art by our II B.Sc., Microbiology at the Club Activity organized by the Department of Biotechnology, VIAAS



Our I B.Sc., Microbiology Students participated in the Workshop on Foldscope Utilization organized by K.S.R College of Technology.