



# MICRO BULLETIN



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## **DEPARTMENT OF MICROBIOLOGY** **NEWSLETTER**



**Dr. D.Venkatesha**  
Professor and Head  
Department of Microbiology  
AIMS, B.G.Nagara

**Farewell to Dr. Vijaya. D**  
**Professor and Head of Microbiology**  
**on**  
**03-02-2016**



**Dr. Vijaya. D Professor and Head of Microbiology with staff of the  
Department of Microbiology**



**Dr. Karthik. R**  
Assistant professor  
Department of Microbiology  
AIMS, B.G.Nagara

## Jnana Vijnana Tantrajnanana mela 18, 19 & 20-02-2016



Department of Microbiology actively participated in the Jnana Vijnana Tantrajnanana mela held at Sri Adichunchanagiri Mutt on 18<sup>th</sup> to 20<sup>th</sup> February 2016. The theme was “Vector borne diseases”. Mosquito borne diseases like Dengue, Chikungunya, Japanese B encephalitis and the recent Zika virus infection are on the rise with outbreaks occurring in rural and urban areas. Aedes mosquitoes transmit these infections. Since prevention is the major approach of these diseases as there is no specific treatment, our target was to create awareness about the diseases and effective preventive measures.

**Guest lecture on “Vector Borne Diseases”  
on  
20-05-2016**

**By Dr. Amrutha Kumari B  
Associate professor of Microbiology  
MMC&RI, Mysore**



**Dr. D. Venkatesha  
Professor and Head  
Department of Microbiology  
AIMS, B.G.Nagara**



**Felicitation of Speaker Dr. Amrutha Kumari B by Principal Dr. M. G. Shivaramu**



**Staff of the Department of Microbiology with Speaker Dr. Amrutha Kumari B**

A guest lecture on “**Vector Borne Diseases**” was organized by Department of Microbiology, AIMS, B. G. Nagara for undergraduate students on 20.05.2016 from 11 am - 1 pm. Dr. Amrutha Kumari B, Associate professor of Microbiology , Mysore Medical College and Research Institute , Mysore was the Guest speaker.

The function was attended by nearly 175 students belonging to III, IV and V terms, few clinicians and post graduate students from other departments. The programme started seeking the divine blessings of Paramapoojya Jagadguru Padmabushana Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji and Paramapoojya Jagadguru Sri Sri Sri Dr.Nirmalanandanatha Mahaswamiji. Dr.M.G.Shivaramu, Principal, AIMS and Dr. Manohar. T.M, Medical Superintendent, AH & RC were the chief guests. Dr.Dhanalakshmi T.A., Associate professor of Microbiology welcomed the gathering. Guest lecture was inaugurated by lighting the lamp by Dr.M.G.Shivaramu, Principal, AIMS, Dr.Amrutha Kumari B, and Dr. Venkatesha D, Professor and Head, Department of Microbiology. Dr.M.G.Shivaramu, Principal, felicitated the guest speaker Dr.Amrutha Kumari B. Dr. Vidyasagar K, Assistant professor of Microbiology introduced the guest speaker.

The topic for guest lecture was Vector borne diseases. The guest speaker explained definition of vector borne diseases and vectors like mosquitoes (Culex, Anopheles and Aedes), ticks, mites, sand fly and others responsible for transmitting the diseases from one vertebrate host to human beings. She highlighted some of the vector borne diseases like Malaria, Filariasis, Leishmaniasis, Trypanosomiasis, Chaga’s disease , Rickettsial diseases , Tularaemia, Plague, Lyme’s Disease and Borreliasis etc. She explained classification of Arboviruses and arboviral diseases which are prevalent like Dengue, Chickungunya, Yellow Fever, Kyasnur Forest Disease, Japanese B encephalitis, Chandipura virus and Ganjam Virus etc. She discussed in detail about the geographical distribution, life cycle, mode of transmission, clinical manifestations including complications, laboratory diagnosis, treatment and prophylaxis of the diseases of Dengue, Chickungunya, Japanese B encephalitis and Kyasnur forest disease which are prevalent in Karnataka. Dr.Karthik R, Assistant Professor of Microbiology, proposed the vote of thanks.

## **Projects:**

### **ICMR STS Project**

1. Prevalence of Mupirocin resistance among Staphylococci in a tertiary health care centre of south India- Mr. Nanda Kumar. R (MBBS Phase 2) , Dr. Vijaya. S

### **Ongoing projects:**

1. Speciation and antibiogram of Enterococci isolated from various clinical samples in a tertiary care centre. Dr. Shakthi. R, Dr. D. Venkatesha
2. Prevalence, antibiogram and genotyping of Methicillin Resistant *Staphylococcus aureus* (MRSA) isolated from various clinical specimens in collaboration with department of Microbiology, JIPMER, Pondicherry Dr. D. Vijaya, Dr. Karthik. R.
3. The study of antibiotic usage and resistance in Gram negative non fermenters. Dr. D. Venkatesha, Dr. Shakthi. R
4. The study of bacteriological profile, antibiogram and biofilm formation of wound infection isolates. Dr. Karthik. R, Dr. D. Venkatesha, Dr. Dhanalakshmi. T. A, Dr. Vidyasagar. K
5. Bacteriological profile of urinary tract infections and their antibiogram. Dr. D. Venkatesha, Dr.Dhanalakshmi .T.A, Dr. Karthik. R
6. Detection of biofilm formation in bacteria isolated from cases of urinary tract infection. Dr. Dhanalakshmi .T.A, Dr. D. Venkatesha, Dr. Karthik. R
7. “Prevalence, antibiogram and genotyping of Extended Spectrum Beta Lactamases(ESBL) among Gram negative bacilli belongs to family Enterobacteriaceae isolated from various clinical samples in collaboration with department of Microbiology, JIPMER, Pondicherry Dr. D.Vijaya, Dr.Vidyasagar.K
8. Medical profession as career- pressure or passion: A cross sectional survey among first MBBS students of rural private medical college.Dr. Aliya Nusrath, Dr. Asha Rani.N, Dr. Dhanalakshmi .T.A

### **Conferences and workshops attended by faculty members:**

1. Dr. D. Venkatesha attended guest lecture on “Management of Tuberculosis-then and now” conducted by the department of Medicine and Pulmonology, AIMS, B.G.Nagara on 29.03.2016
2. Dr. D. Venkatesha, Dr. Dhanalakshmi .T .A, Dr. Janakiram. K, Dr.Vijaya .S, Dr. Karthik. R attended guest lecture on “Vector Borne diseases” conducted by the department of Microbiology, AIMS, B. G. Nagara on 20.05.2016
3. Dr. D. Venkatesha, Dr. Dhanalakshmi .T .A attended guest lecture on “World anti-tobacco day” conducted by the department of Psychiatry, AIMS, B.G.Nagara on 31.05.2016
4. Dr. D .Venkatesha attended guest lecture on “An overview of H. pylori” conducted by the department of Medicine at AIMS, B.G.Nagara on 17.06.2016
5. Dr. K.Vidyasagar and Dr. Dhanalakshmi .T .A attended workshop on Research ethics at SJM college of pharmacy, Chithradurga on 25.01.2016
6. Dr. Janakiram. K, Dr.K.Vidyasagar and Dr. Dhanalakshmi .T .A attended Workshop on “Health care and Environment Ethics” organized by IEC& Medical Education Unit on 12-2-2016 at AIMS, B.G.Nagara and Guest lecture on “ Research in Medical Education” held on 24.2.2016 at AIMS, B.G.Nagara
7. Dr. Dhanalakshmi .T .A attended National Conference on Medical Education (MECON)-2016 at JSS medical College, Mysore from 26.02.16 to 28.02.16
8. Dr. Janakiram. K, Dr.Vijaya .S and Dr.Dhanalakshmi .T.A attended Research in Medical Education” held on 24.2.2016 at AIMS, B.G.Nagara.
9. Dr.Karthik.R, Dr. Shakthi R, Dr. Janakiram. K, Dr.Vijaya.S and Dr. Dhanalakshmi .T .A attended IAMM-KC State level Conference conducted by Bangalore medical college and research institute, Bangalore on 20-02-2016.