Lecture Workshop on “Recent Trends in Biology and Biotechnology” at Jamal Mohamed College, Tiruchirapalli from 29 January to 31 January 2014

A brief report of the workshop:

Science academies’ lecture workshop in “Recent trends in biology and biotechnology RTB2” 29-31” 2014, organized by PG and research Department of Biotechnology, Jamal Mohammed College, Trichy sponsored and supported by Indian Academy of sciences, Bangalore, Indian National Science Academy, New Delhi, and Indian National academy of Sciences, Allahabad.

This program is being implemented to young students to the excitement of creative pursuit of science and to build and strengthen the science and technology system of recent developments in various parts of the country.

I am proud to say that we the Department of Biotechnology, Jamal Mohammed College had a chance to conduct the lecture workshop programme for young graduate students and it is to note that the overwhelming response from 150 students across the various affiliated colleges of Bharathidasan University namely,

- Bharath College of Science and Management
- Bharathidasan University
- Bishop Heber College
- EVR College
- Holy Cross College
- Cauvery College
- J.J. College of Arts and Science
- Jamal Mohammed College
- Kurinji College
- Marudhu Pandiyar College
- M.I.E.T College
- A.V.V.M. Sri Pushpam College
- S.T.E.T womens College
- Thanthai Hans Rover College
- Tagore College of Arts and Science
The three days program was started on January 29th Wednesday with the Inaugural function. Our Principal and Vice Principal gave presidential address. Prof. Srinivas K Saidapur, former VC Karnataka University delivered the inaugural address.

Professor G. Marimuthu, Head, Department of Animal Behavior and Physiology, School of Biological Science, Madurai Kamaraj University, Madurai who is also the convenor of this workshop delivered the keynote address.

The release of proceedings was done by Dr. S. Mohammed Salique, the Vice-principal of our esteemed College.

The first copy was received by Dr. G. Marimuthu, our convenor for this lecture workshop.

The felicitation ceremony was headed by Dr. S. Mohammed Salique, the Vice-principal following which Dr. H. Syed Jahangir, Coordinator, Department of Biotechnology and Microbiology delivered the vote of thanks.

It was continued by Technical Session 1

This session was presented by Prof. Srinivas K. Saidapur, former Vice chancellor, Karnataka University, Dharwad on the topic "Power of evolution"

It was continued by Technical Session 2

A lecture was given by Prof. Hussain Munavar, Madurai, Kamaraj University, Madurai on the topic "Power of Bacterial genetics"

The Next session was presented by Prof. V.K. Sharma, Evolutionary and Organismal Biology unit, Jawaharlal Nehru center for advanced scientific research, Jakkur, Bangalore on the topic "Connecting genes to behavior circadian clocks".

The following session was based on the topic "Biology and behavior of bats" which was presented by Prof. G. Marimuthu, Head, Department of Animal behavior and Physiology, School of Biological Sciences, Madurai Kamaraj University, Madurai which marked the end of the session of 29th January, 2014. We began with the 5th technical session which was presided by Prof. Vijay kumar Sharma who lectured on the topic "Adaptive significance of circadian rhythms"

The Next session was held by Prof. Sriver S. saidapur who lectured on the topic "Biology: some insights"
The following session was presented by Prof. Emmanuvel Rajan, Department of Animal science School of life Sciences, Bharathidasan University who lectured on the topic of “Molecular mechanism of olfactory learning and memory”.

The Next session was done by Prof. T.J. Pandian, Emeritus Professor, School of Biological Sciences, MKU, Madurai on the topic of “Asexual reproduction, coeloms, and embryonic stem cells” and he continued his lecture to the 9th session which was based on “Primordial germ cells and sexuality”.

DAY 3

On the note of beginning a new dawn Dr. Abdus Samad, Director MBA and Bursar (SF) honoured Prof. N. Thajudeen, Department of Microbiology, School of life Sciences, Bharathidasan University, Trichy.

Technical session 10

The session was held by Dr. N. Thajudeen on the topic “Microalgae from Biodiversity to Biotechnology”

Technical session 11

Dr. M. Krishnan, Professor and Head, Department of Environmental Biotechnology, Bharathidasan University, Trichy on the topic “Lipophorin: a targeted protein for drug designs”

The Valediction started with the welcome address which was addressed by Dr. H. Syed Jahangir, Coordinator of Department of Biotechnology and Microbiology.

The Report of seminar was conveyed by Dr. T. Nargis Begum, Assistant Professor of Department of Biotechnology who was the coordinator of this lecture workshop.

A Presidential address and Valedictory address was given by Dr. A. M. Mohamed Sindhasha our respected Principal.

The Vote of thanks was conveyed by Dr. T. Nargis Begum, Assistant Professor of Biotechnology.

The lecture workshop was windup with the National Anthem.
The Institution
Jamal Mohamed College, a government aided first grade private college affiliated to Bharathidasan University, was founded in 1951 and situated in the heart of Tiruchirappalli city. The college provides an ideal atmosphere for higher education in all sections of the society. The college offers 19 UG and 19 PG courses and has research facilities in 13 Departments. The college has student strength of 10600. Teaching faculty consists of 127 regular staff and 330 management staff. The college celebrated its Silver Jubilee during 1979, Golden Jubilee during 2001 and Diamond Jubilee during 2011 in a grand manner. The college was awarded the coveted Five Star status by NAAC, an autonomous body of UGC, during the Golden Jubilee year. Autonomous status was conferred on the college during the academic year 2004-2005. NAAC peer team visited the college during October 2008 for reaccreditation and the college was awarded "A" grade with CGPA 3.6 out of 4.0. The UGC has conferred the status of "College with potential for Excellence" during 2011-2012. The institution is dedicated to the cause of higher education and has produced many administrators, academicians, scientists, social workers, intellectuals, computer professionals and eminent personalities in different walks of life.

DEPARTMENT OF BIOTECHNOLOGY
The Department was established in 2004 under the self financing scheme for men and two additional sections have been started, one additional men section and one new section for women in the academic year 2008-2009. The Department can take legitimate pride in honouring several courses like one year Post Graduate Diploma in Fermentation Technology (PGDFT) was started in 2008, a four year BS Biotechnology (UG Course) was started in 2010 and One year Post Graduate Diploma in Bioinformatics (PGDBI) was started in 2011. The strength of the Department is young and energetic dynamic teaching faculty. The Department is fully equipped with air conditioned laboratories and computer systems, advanced inverted Microscope, Biosafety Class III Cabinet, CO₂ Incubator and ELISA reader, Fermentor, Spectrophotometer, Thermocycler and Gel Documentation System. The excellent infrastructure facilities are available in the Department for the benefit of students and it is appreciated by researchers and academicians. M.Phil and Ph.D programs were started in the academic year 2012.

ABOUT THE WORKSHOP
In recent years, revolution in biology has occurred due to the potential applications of biotechnology. Many techniques have been developed to produce rare and medicinally valuable molecules to change hereditary traits of plants and animals, to diagnose diseases and cure them either through biotechnologically derived proteins and polypeptides forming a new class of potential drugs or through immunodiagnostics. In this way, biotechnology has great impacts in the fields of health, food/agriculture and environmental protection. The goal of this workshop is to provide a glimpse of the emerging trends in Biology and Biotechnology research, their future prospects and perspective on the upcoming challenges with a particular emphasis to attract and encourage the next generation of scientific leaders so that they may build a successful career in Biology and Biotechnology.

ELIGIBILITY TO ATTEND
B.Sc., M.Sc., M.Phil., Ph.D. scholars and faculty from life Science are eligible to attend. First preference will be given to UG students.

NUMBER OF PARTICIPANTS
150 (on the basis of first come first in).

REGISTRATION FEES
There is no registration fee to attend this Lecture Workshop.

Tea and lunch will be provided to participants.

RESOURCE PERSONS
Prof. S.K. Saldapur, FASc, FNA, FNASc, FTWAS
Former V.C and Diamond Jubilee Professor,
Karnatak University, Dharwad 580 003

Prof. Bhagavathi Shanbhag, FASc, FNA, FNASc
Department of Zoology, Karnatak University, Dharwad 580 003

Prof. T.J. Pandian, DSc, FASc, FNAAS, FNASc, FTWAS
Emeritus Professor, School of Biological sciences,
Madurai Kamaraj University, Madurai

Prof. Vijay Kumar Sharma, FASc, FNA,
Evolutionary & Organismal Biology Unit,
Jawaharlal Nehru Centre for Advanced Scientific Research,
Jakkur (P.O.) Bangalore 560 064

Prof. G. Marimuthu, DSc, FASc, FNA, FNASc,
Head, Department of Animal Behaviour & Physiology School of Biological Sciences,
Madurai Kamaraj University, Madurai 625 021

Prof. C. Balasundaram,
UGC-Emeritus Professor, Department of Animal science,
Bharathidasan University Tiruchirappalli 620 024

Dr. M. Krishnan
Professor & Head,
Department of Environmental Biotechnology,
Bharathidasan University, Trichy 620 024

Dr N. Thajudin,
Professor, Department of Microbiology,
School of Life Sciences,
Bharathidasan University, Tiruchirappalli - 620 024

SCIENCE ACADEMIES’ LECTURE WORKSHOP
ON
"RECENT TRENDS IN BIOLOGY AND BIOTECHNOLOGY"
RTB³ - 2014
January 29, 30 and 31st, 2014

Registration Form

Name :
Qualification :
Designation :
Department :
Organization :
Mailing Address :
Email :
Tel :
Fax :
Date :
Station :

Signature

Note : Complete the above registration form and send it to Dr. T. Nargis Begum, Co-ordinator - Science Academies’ Lecture Workshop, 2014, on or before January 20, 2014. Completed forms can also be sent to rtb2.jmc@gmail.com. Selected participants will be notified through email.
Number of participants who attended the workshop including the names of colleges and institutions:

1. Bharath College of Science & Management - 6
2. Bharathidasan University - 9
3. Bharathidasan University College, Perambalur - 12
4. Bharathidasan University College, Orathanad - 3
5. Bishop Heber College - Biotechnology Department - 9 (Student – 5 & Staff – 3)
   - Zoology Department - 3
6. EVR College - 11
7. Holy Cross College - 3
8. Kavery College - 1
10. Jamal Mohamed College - Zoology Department - 6
    - Botany Department - 8
    - Biotechnology & Microbiology - 127
11. Kurinji College - 2
12. Marudhu Pandiyar College - 8
13. M.I.E.T College - 5
14. A.V.V.M Sri Pushpam College - 18
15. S.T.E.T Women College, Mannargudi - 12
16. Thanthai Hans Reever College - 3
17. Tagore College of Arts & Science, Chennai - 1

Total Number of Students = 252