We thank God for His wisdom and guidance all through this academic year. The department has successfully completed the assigned task of passing the new syllabus for the integrated curricular model. The department has incorporated innovative courses which give a student who passes through the portals of Lady Doak College, the best possible curriculum to face the competitive world. Apart from the varied activities planned by the department which have found a place in this newsletter, the department is planning to sign a MoU with Arogya Trust, Madurai which will facilitate student to involve in social activities through the Life Frontier Engagement. We are happy to reach you all through this news letter which will give you a glimpse of the hard work and efforts put forth by the faculty and students of the department of Biotechnology to work towards its vision to be a center that supports, coordinates, disseminates biotechnology education and research for creation of employment, entrepreneurship and wealth for the community leading to sustainable development.
NEWS REPORT IN BRIEF

- National seminar on “Genomics and Proteomics- A computational approach” sponsored by DBT- BIF and Ministry of Science and Technology on 6th and 7th March 2015.
- “Workshop on Advanced Biotechnological Techniques for the faculty of the science departments was organized on 6th January 2015.
- Guest Lecture on “IN VIVO STUDIES OF THE GENE EXPRESSION DYNAMICS AT SINGLE MOLECULE” was organized 29th Jan, 2015.
- A programme to popularize science among rural school children from classes 9th to 12th was organized on 31st Jan 2015. about
- Dengue awareness programme for students and staff.
- Counseling to all students about “ADOLESCENCE AND THEIR CHALLENGES”


Dr. R. Gunaseeli, Dr. C. Jessie Ranjitha Jebaselvi & Mrs. Priyatharsini Rajendran, “Multidisciplinary Nature of Environmental Education and Environmental principals, In Essentials of Environmental Education”, 2014; 1-5.

Dr. R. Gunaseeli, Dr. C. Jessie Ranjitha Jebaselvi & Mrs. Priyatharsini Rajendran,”Essentials of Environmental Education”, Centre for Environmental studies, Lady Doak college, 2014

Ms. Lourdhu Mary participated in UGC sponsored National seminar on “Information and communication technologies (ICTs) in making a healthy information society with special reference to use of ICTs in educational technology” on 11-12\textsuperscript{th} August, 2014, in Andhra Loyola college (Autonomous), in collaboration with Krishna University, Machilipatnam.

Ms. R. Christynal Oliviya participated in UBCHEA sponsored “Training cum Workshop on Environmental Impact Assessment” on 9\textsuperscript{th}-12\textsuperscript{th} July 2014 organized by Centre for Environmental studies, Lady Doak College, Madurai.

R. Shenbagarathai delivered a special lecture on “Bioplastics – A way towards sustainability” at The Gandhigram Rural Institute.

R. Shenbagarathai attended the XXVI BTISnet Annual Coordinators Meeting held at Sri Venkateswara University, Tirupati, Andra Pradesh.

R. Shenbagarathai invited as a resource person Research scholar deliver a Lecture on the topic “Bioplastics – A way towards sustainability” at the UGC Sponsored National Seminar on Interdisciplinary application of Biology organized by the Research centre & PG Department of Zoology, Jayaraj Annapackiam college for women.

Ms. S. Kalaivani Priyadarshini, Assistant Professor, Department of Biotechnology was invited as a guest speaker and served as a resource person for State Level Workshop on Fish Immunological Techniques (19\textsuperscript{th} and 20\textsuperscript{th} Oct, 2014) conducted at Centre for Animal Studies PG & Research Department of Zoology, Government college for women, Kumbakonam.
Simultaneous production of Polyhydroxyalkanoate and Biosurfactant from waste frying oil by *Cronobacter sakazakii* isolated from hydrocarbon-contaminated site - V.Rajeswari*, M.Manju and Dr.R.Shenbagarathai. UGC sponsored International Conference in collaboration with DHAN foundation on Solutions to Ecological Challenges: Multidimensional Perspectives held on 11th to 13th Dec 2014 in Fatima College, Madurai. Pg. no 73.

K.Bhavani, R.A.Begum, D.Rani, S.Divya, S.Fasillia, R.Shenbagarathai - Presented a oral on “A study on the effect of chitosan on bitter gourd (Momordica Charantia) and ridge gourd (Luffa acutangala) plant growth on Asian chiting Journal Volume-10 Bo 1 & 2 2014 at National conference on Application of the Derivatives of Chiting and Chitosan (ADCC-2014) Department of Chemistry, the Gandhigram rural Institute-Deemed University Gandhigram, Dindigul, 2\textsuperscript{nd} & 2\textsuperscript{3rd} August 2014.

Mrs. A. Lourdhu Mary & Mrs. R. Christynal Oliviya, Assistant Professor, Department of Biotechnology, Attended a workshop on “Communication skills” on 17\textsuperscript{th} & 18\textsuperscript{th} October 2014, Lady Doak college, Madurai.

Mrs. A. Lourdhu Mary Assistant Professor, Department of Biotechnology, Attended a one day lecture on “WORKING WITH LARGE AND MIXED ABILITY GROUP” on 9\textsuperscript{th} September 2014, Lady Doak College, and Madurai.
SUMMER PROJECTS BY STUDENTS

- Dhivya.R & Jamunashree.G “Bioplastic from mango seed”
  “Centre for ‘ewaste management, Satyabama University, Chennai.”

SUMMER TRAINING

- G.Agasta, S.Riswana Thaswin – Basic techniques iof biochemistry, molecular biology, & immunology and genetics”, Venture Biotechnology institute, Pasumalai, Madurai
Our department of Biotechnology has 11 staff and 3 non-teaching staff. All of them have given us a good platform to shine in our future. Our faculty not only facilitates us to study but also they teach us good life skills. Every student has a mentor who really takes care of our needs. We learnt many good things from them. We made our selves to participate in the entire club activities, volunteer work and we all contribute & a little work to our department. Our staff gave a new dimension to our life. They molded us in every step and help make a better transition in our lives. We really feel good and happy to have such teachers like . We spent good and maximum time in college than our home. We thank God for giving us an opportunity to study in this department.
By, R.Raj Shanmthi

Department offers a holistic education, which is the aim of the college. Department help students to gain knowledge in a lively manner on creating self interest and involvement. Department has been blessed with excellent lab facilities with all well equipped machineries and equipments and moreover it permit students to use and to practice practical laboratory works with care. Here the students gain more knowledge since it creates self involvement. Their guidance with good interest develops good disciple and responsibility with leadership among students. Apart from educational academics department conducts programs and activities for the students in the club and there are advisors for the students to take individual care. Department of Biotechnology is a good platform in Lady Doak College to grab several ideas and information in advancement to the technologies on the basis of Biology. I enjoy my College life.....

By, A.Arshee

II UG
STUDENTS ACHIEVEMENT

UG STUDENTS

R.Ambika, A.Raj Shanmathy, R.Dhivya, G.Jamuna Shree attended a workshop on “Climate Changes Study - an Organismal approach” at the SATHYABAMA University, Chennai

Participated a Essay writing competition on---- at VELAMMAL MEDICAL college, Madurai

R.Yaamini, D.Bala Chandrika, A.Surya Prabha attended a seminar on “First Aid and Disaster Management” at the THIYAGARAJAR college, Madurai

S.Anitta, R.Mythili Devi attended the “ALIVE - MIME” competition and won the 2nd prize

R.Ambika, G.Lakshmi Priya attended a seminar on “Food Processing and Crop Sector” which was conducted by Government at the Madetssia Hall, Madurai

J.Ruthra, P.Abirami, S.Anitta, M.Uma Maheshwari completed their summer training at the MEDOX INSTITUTE, Chennai

G.Jamuna Shree, R.Dhivya completed their summer training at the SATHYABAMA UNIVERSITY, Chennai

S.Riswana Thaswin, G.Agasta completed their summer training at the VENTURE BIOTECH INSTITUTE, Madurai on 02.05.2014 to 17.05.2014

G.Vinodha attended seminar “WOMEN PARLIAMENT AND LEGISLATIVE ASSEMBLY” in Women studies center in LDC

D.Bala Chandrika, A.Heapu Nisha participated a Essay writing competition on “Voter’s Rights” at the LDC

R.Monica, G.Jamuna Shree participated a writing competition on “Tagore’s Poetry” at the LDC on 15.12.2014

G.Vinodha participated in “French hair style” and won 1st prize

G.Jamuna Shree presented her poster on “Consumer’s Rights” at the LDC

G.Vinodha contributed for “students art gallery” in International study centre LDC

J.Ruthra, J.Esther Rani participated the “Human Rights - Quiz” on----- and won the 3rd prize
G. Vinodha and S. Anitta participated in “Nature photo hunt” in WEBS club and won 3rd prize.

S. Nachammmai, G. Agasta participated a “Flamless Cooking” at the LDC on Dec 15th - 19th, 2014.

S. Anitta participated the “Festika’13 - Group Singing” and won the 3rd prize.

R. Dhivyaa participated the “Festika’13 - Mime” and won the 2nd prize.

S. Anitta, G. Vinodha, J. Ruthra, J. Esther Rani, G. Agasta participated the “Bliss’14 - Group Singing” on 06.03.2014 and won the 1st prize.

S. Anitta participated the “Bliss’14 - Solo Singing” and won the 3rd prize.

S. K. Valarmathi participated the “Spurt’12 - Folk Dance” and won the 3rd prize.

G. Vinodha participated in “pencil sketching” in WEBS club.

**II UG BIOTECH**

- M. Vidhya (13BTYE041) & M. S. Sharmila (13BTYE033)
  - Attended the Interdepartmental Meet conducted by the BBA department and won the 3rd prize in “Treasure Hunt”. They received 2nd prize in poster making conducted by ISC.

- M. Yazhini Priyadharishini (13BTYE045 & A. Arshee 13BTYE004) attend the IDM conducted by BBA department and received the 1st prize in logo preparation.

- B. Pavithra (13BTYE023) and K. Kalavathy 13BTYE014 received 3rd prize in poster making conducted by the department of Zoology.

- K. Saraswathi (13BTYE031) M. Subhashini (13BTYE037) got 2nd prize in “poster making” conducted by ISC.

- K. R. Aishwarya (13BTYE002) A. Arshee (13BTYE004) K. Kalavathy (13BTYE014), A. Nasrin Nisha (13BTYE022) B. Pavithra (13BTYE023) all these students attended a workshop conducted by the Social Science department.

- B. Pavithra (13BTYE023) attends a workshop on “Higher studies in Canada”.

**PG STUDENTS**

- R. Dhivvya attended a workshop on “Genetic Engineering” at the SRM University, Chennai on 13.05.2014.

- G. Meena Subashini attended a National level seminar on “Nutraceutical and Therapeutic values of traditional food” at the LDC on 31.01.2014.

- S. Karthika Devi and V. Krishnaveni attended a workshop on “Proteomic Tools” at the ANJA college on Feb 14th & 15th, 2014.

- N. Gokulananthani attended a Essay writing competition at the ANJA college on Feb 14th & 15th, 2014.

- N. Gokulananthani attended a workshop on “Oncology” at the St. JOHN’S college.
HAIR STYLE

By G Vinodha (III BSc. Biotech)

MEHANDHI
PAPER QUILLING
PHOTOGRAPHY

By G Vinodha III BSc. Biotech

PAINTINGS

S Nachamai III BSc. Biotech

G Vinodha III BSc. Biotech

G Vinodha III BSc. Biotech
DRAWINGS

M Vidhya (1st BSc. Biotech)                                         A Heapunisha (III BSc.biotech)

P Abirami (III BSc.Biotech)                                         D Bala chandrika (III BSc.biotech)

G Vinodha (III BSc.biotech)                                         D Bala chandrika (III BSc.Biotech)
TEACHER

They feed us with knowledge like a mother

Feeding her baby

They guide us like a father who

Holds our hand and walks with us

They motivate us to enter into

New trails

They pampers us when we feel

Restless because of failure

They are the first one to feel

Happy for us when we succeed

They are our ‘Teachers’ who

Teaches us

Facilitate us

Spend their Value time with us

And being always our best inspiration

With Gratitude

We salute their SELFLESS SERVICE....

BY,

J. ESTHER RANI (12BTE 013)
SEVEN

7 swarms make the Music

7 days make a Week

7 colors make the Rainbow

7 senses make intelligence

7 monuments make the wonder of the World

7 lines make this Verse

7 beautiful letters makes the wonderful course BIOTECH

BY

P.SHARON JEBAMALAR (13BTYE 034)
WEBS & SJBS CLUB ACTIVITY

CLUB INAGURAL

Invited Speaker, Dr. Augustus Samuel Dodd, Medical Superintendent, Grace Kennett Hospital, Madurai on 25.07.2014

CLUB ACTIVITY FOR THE YEAR 2014 – 2015

+ POSTER MEMORY GAME
+ BIO – PUZZLE
+ VIDEO PRESENTATION
+ MODEL PRESENTATION
+ DEBATE
+ PENCIL SKETCHING
+ PRESENTATION
+ CONNECTION
+ RANGOLI
+ TREASURE HUNT
+ BIO – QUIZ

The Department of Biotechnology, with a deep sense appreciates the co-curricular activities and has provided a platform for students to stage their talents and hidden potentials through “WEBS CLUB”. An hour in a week is allotted to the club activities of the department. It promotes comprehensive and harmonious development of the personality of students so that they can provide effective leadership in all walks of life. The students of the club has been divided into four houses with names of great women biologists namely,

- Rosalind Franklin
- Margaret Day Hoff
- Barbara McClintock
- Rosalyn Yalow

The club enlists various activities like talent shows; inter class competitions, video shows on social and other environmental issues.
Photogallery

Dr. Malini, Dr. Subramani, Dengue Awareness

Dr. Augustus, Club Inaugural

TALENT SHOW

Mrs. Vennila, Adolescence and Their Challenges
Club Competitions
Department of Biotechnology
Lady Doak College, Madurai

Dear contributors,

We thank you very much for your generous contribution towards Mrs. Olive Rawlin Endowment Scholarship. It will be used to provide assistance to a deserving, highly motivated Student of Biotechnology who faces unforeseen financial constraints.

Head of the Department of Biotechnology
Dear Friends / Alumnae,

Greetings from the department of Biotechnology!

We are happy and pleased to share that the department of Biotechnology has successfully completed a decade through its dedicated work in empowering and equipping young women. The committed labor of our former professors who envisioned quality teaching and learning through state of the art laboratory and student friendly curriculum enabled the faculty and students to acquire fruitful learning experience.

In this journey, we have come across many students with financial crisis owing to uncertain conditions. In order to extend a helping hand to the financially deprived deserving students of Biotechnology to complete their study, the faculty of the department felt the need for the endowed scholarship. Hence, an endowment scholarship has been initiated in the name of Professor Olive Rawlin, former Vice-Principal and Head of the department of Zoology whose generous timely help facilitated many students to complete their academic programs successfully.

As former students of the Department of Zoology and Biotechnology, We believe that you will strongly support the noble mission for which we stand at this juncture. We encourage you to lend your helping hands to initiate an endowment scholarship fund for students who strives to work hard academically besides their financial constraints.

Your contribution will go a long way in making a big difference in the life of many students. Therefore, the faculty of the department of Biotechnology request you to kindly send your contributions through Demand Draft/ Cheque in favour of ‘OIKOS CLUB- ZOOLOGY DEPT’ [Acc/no - 10828771785, IFSC No – 0010315] or cash while you visit the college.

Thank you!
CONTACT:
Department of Biotechnology,
Lady Doak College,
Tallakulam, Madurai- 625002.
Phone: 091-452-2530527, 2524575/
FAX 091-452-2530293, 2523585
E. Mail: ldcbiotech06@gmail.com