

**M.Sc. MEDICAL LAB TECHNOLOGY**  
**ANNUAL REPORT 2014-2015**

**1. ASSOCIATION INAUGURATION**

The activities of the association of Medical Lab Technologists, Loyola College were inaugurated on 4<sup>th</sup> August 2014.

**2. VRYKOLAKAS' 14**

An intercollegiate department festival was conducted on 12<sup>th</sup> Dec 2013. **Mr. Saravanakumar Salem, Wildlife Filmmaker**, Director of Photography inaugurated the festival. Seventeen Colleges participated in various events such as **poster presentation, T- Shirt Painting, Quiz, Rangoli and Ad zap**. The winners were honored with certificates and medals; the overall trophy was won by SRM Arts and Science College students.

**INVITED LECTURE**

**Dr D. Robert Selvam:** Delivered a lecture on "**Biological influences and health consequences of alcohol drinking**" 01st August 2014, Loyola institute of social science training & Research (LISSTAR). Loyola College, Chennai.

**GUEST LECTURES/TRAINING PROGRAMMES ORGANIZED**

- ❖ Guest lecture on "**Microscopy**" by Dr. P. Mullainadhan, Professor, Department of Zoology, University of Madras, 25th August 2014.
- ❖ Lecture on "**Infection Control Universal Precautions**" by Dr. Jemima, Head-Microbiologist, MIOT Hospitals, Chennai, 16th Sep 2014.
- ❖ Lecturer on "**Molecular Medicine**" by Ms. Stella Mary, Junior Scientist, Fredrich – Schiller University, Jena, Germany, 5<sup>th</sup> March 2015.

**INSTITUTIONAL VISIT**

- ❖ The Staff & students of M.Sc. Medical Lab Technology visited the Forensic Science Department, Mylapore, Chennai on 05<sup>th</sup> Feb 2015.

## **WORKSHOPS/ SEMINARS**

**3.1. Workshop cum Training on Histotechniques** was organised in collaboration with the Cancer Institute, Chennai on 10th January 2015 at Cancer Institute, Chennai. Students of M.Sc. Medical Lab Technology both first and second years participated.

**3.2. Dr. D. Robert Selvam- organizing secretary** National level research scholar's workshop on "e-resources and data analysis" on 09 to 14 February 2015 at Loyola College, Chennai

**3.3. UGC sponsored National Seminar on Health and Environment** was convened by **Dr. D. Robert Selvam** on 26<sup>th</sup> February 2015. **Dr. Sherafin Jancy Vincy** was Co- Convenor, **Dr. M. Chandrasekar** and **Dr. D. Carol** were the Organizing secretaries.

Dr T. Ambrose, UG Professor & Coordinator PGDMLT welcomed the gathering. Rev. Dr M. Albert William SJ, Secretary and Correspondent blessed and felicitated. Prof G. Ramamurthy, Deputy Principal delivered the presidential address. **Dr George Thomas**, Chief Orthopedic Surgeon and Head of Emergency Services at St. Isabel's Hospital, Mylapore, delivered the Inaugural address on the role of Medical Lab Technologists in Health Care.

One hundred and seven delegates including Professors, Health Care Professionals, Research scholars and PG & UG Students drawn from different parts of the country participated in the seminar.

**Dr. Sultan Ahmed Ismail**, Managing Director, Ecoscience Research Foundation led the technical Session I on Healthy Food for Healthy life. Technical Session II was handled by **Dr. S. Anand Prasad**, Medical Officer, Loyola Health Centre, on Electro Cardiogram & Arterial Blood Gas Analysis. In technical Session III, delegates were instructed about Simulation Based Healthcare Techniques by **Dr. M. Solomon D'Cruz** from TACT Academy.

**Dr. S. Vincent**, Dean of Research, Loyola College, Chennai, delivered the valedictory address and distributed the certificates.

## **4. RURAL MEDICAL CAMP**

A Rural Medical Camp was conducted in collaboration with Loyola Health Centre and Loyola Institute of Vocational Education on 18<sup>th</sup> February 2015 at **Murichembedu village**, PonneriTk, Thiruvallur Dt.

A total of 137 villagers were screened for communicable and non-communicable diseases. Blood

grouping and typing, complete haemogram, lipid profile, blood glucose, liver function test and routine urine analysis were done. Based on the lab report, **Dr. S. Anand Prasad**, Medical Officer, Loyola Health Centre provided Health care assistance and medical advice including essential tablets free of cost. School children and elders were medicated for de-worming if necessary. The adult female members were suspected to suffer from varying degrees of thyroid deficiency and advised to screen thyroid profile and subsequent medical intervention.

### **RESEARCH PROJECTS**

**Dr. D. Carol:** Minor Research Project (No. F. MRP- 4338/12 : MRP/UGC-SERO) was entitled **the** evaluation of cost effective laboratory techniques in the diagnosis of anaemia, University Grants Commission.

### **BOOKS REVIEWED & AUTHORED**

**Robert Selvam**, Reviewed the chapters: Glycobiology & Oxidative Phosphorylation the Manuscripts on Biochemistry, Oxford University Press, Asaf Ali Road, New Delhi.

**Leyon Selvin Raj A, Sherafin Jancy Vincy, M. Chandrasekar.** Impact of herbals in wound infection. Lap Lambert Academic Publishing, Germany. 2015. ISBN 978-3-8484-9613-6.

**Vicky Ram Sethi, Sherafin Jancy Vincy, M. Chandrasekar.** Study on venous and capillary blood glucose estimation. Lap Lambert Academic Publishing, Germany. 2015. ISBN 978-3-659-36603-1.

### **ENRICHMENT OF CAMPUS LIFE**

**Dr. D. Robert Selvam:** Co-ordinator, M.Sc Medical Lab Technology.

**Dr. D. Robert Selvam:** Co-ordinator, Research Academy for Cumulative Excellence (RACE), Loyola College, Chennai.

**Dr. D. Robert Selvam:** Co-ordinator, National Service Scheme (NSS), Loyola College, Chennai.

**Dr. D. Robert Selvam:** Co-ordinator, Loyola Health Centre. Loyola College, Chennai.

**Dr M. Chandrasekar:** Co-ordinator, Enviro club, Loyola College, Chennai.

## RESOURCE PERSON IN CO-CURRICULAR/ EMPOWERMENT PROGRAMMES

**Dr D. Robert Selvam:** Member in Loyola institute of social science training & Research (LISSTAR). Loyola College, Chennai.

**Dr M. Chandrasekar:** Staff in - charge for Loyola Extension Awareness Program (LEAP), Loyola.

## RESEARCH PUBLICATIONS

**Carol Pereira, PavithraNiranjan, R.Manikantan**“**Clinical isolates of *Staphylococcus aureus* (R): biofilm characterisation and inhibitory assay using *Hamamelisvirginiana* (L.).**Int J Pharm Bio Sci 2014 April ;5(2)(B)809-819.(I.F-0.6)

**ISSN 0975-6299.Indexed in scopus and embase (Elsevier Bibliographic database)**

- **Carol Pereira,PavithraNiranjan and A. Revathi,**”Screening of Boswelliaseratta for Antioxidant Potential and Anticancer Activity on MCF-7 Cell Line - an Invitro Study.” PHARMACEUTICALLY IMPORTANT PLANTS, GRABS EDUCATIONAL CHARITABLE TRUST© Grabs Educational Charitable Trust 2014.

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## SEMINARS/WORKSHOPS ATTENDED

- ❖ **D. Robert Selvam,** International conference on Physiology and Medicine, organized by Periyar University, Salem on 15th to 17th October 2014.
- ❖ **D. Robert Selvam,** International conference on clinical psychology training and practice in the UK and India held at the Don Bosco Auditorium, Chennai in collaboration with University of Leicester and University of Madras on Saturday 13th September 2014.
- ❖ **D. Robert Selvam,** National conference on achieving sustainable development organized by the School of Entomology &centre for natural resources management, Loyola College, Chennai on 04th to 05th December 2014.
- ❖ **SherafinJancyVincy,** Continuous medical education “Total Quality Management in Lab Medicine” organized by Department of Biochemistry and haematology at Madras Medical Mission, Chennai, 31<sup>st</sup> Jan 2015.

- ❖ **SherafinJancyVincy**, National conference on achieving sustainable development organized by SECNARM, Dept. of Advanced Zoology at Loyola College (Autonomous), Chennai, 4<sup>th</sup> & 5<sup>th</sup> Dec 2014.
- ❖ **M.Chandrasekar**, Continuous medical education “Total Quality Management in Lab Medicine” organized by Department of Biochemistry and haematology at Madras Medical Mission, Chennai, 31<sup>st</sup> Jan 2015.
- ❖ **M.Chandrasekar**, National conference on achieving sustainable development organized by SECNARM, Dept. of Advanced Zoology at Loyola College (Autonomous), Chennai, 4<sup>th</sup> to 5<sup>th</sup> Dec 2014.

#### **CHAIRPERSONS AND RESOURCE PERSONS:**

- **Resource person: Robert Selvam, SherafinJancyVincy, M.Chandrasekar, D. Carol**, Rural Medical camp conducted by M. Sc Medical Laboratory Technology Loyola institute of Vocational Education(LIVE) and Loyola Health Centre, Loyola College, Chennai, at Murichembedu Village, Thiruvallur District on 18<sup>th</sup> Feb 2015.
- **D. Robert Selvam**, Chairperson for Oral presentation, International conference on Physiology and Medicine, organized by Periyar University, Salem on 15th to 17th October 2014.