



LOYOLA COLLEGE

Autonomous

Chennai 600034



PG AND RESEARCH
DEPARTMENT OF
ADVANCED ZOOLOGY AND
BIOTECHNOLOGY

VISION

To offer quality science education to inculcate respect for nature and human life and to promote scientific practices based on strong ethical principles.

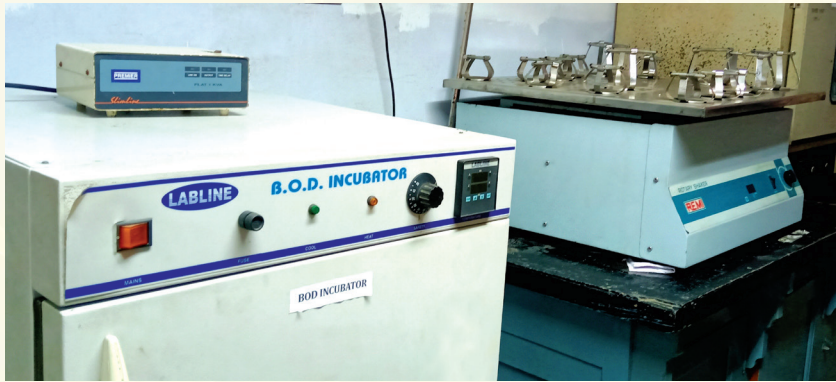
MISSION

To introduce modern trends in life sciences emphasizing conservation.

To develop and hone skills of students to meet the local and global needs.

TIMELINE OF DEPARTMENT HISTORY

- 1926 First publication "Notes on snakes" by Fr. Charles Leigh.
- 1948 Department of Natural Sciences.
- 1957 Department of Zoology offering B. Sc Zoology.
- 1963 Entomology Research Unit by Dr T. N. Ananthkrishnan.
- 1964 Dr T. N. Ananthkrishnan received D. Sc.
- 1965 University of Madras approval for Ph. D.
- 1977 Dr T. N. Ananthkrishnan became Director, Zoological Survey of India.
- 1985 Postgraduate Department offering M. Sc Zoology.
- 1986 Entomology Research Institute (ERI) founded by Dr T. N. Ananthkrishnan.
- 1988 PG Diploma in Medical Lab Technology.
- 1988 University of Madras approval for M. Phil Zoology.
- 1998 Dr T. N. Ananthkrishnan received Dr K. V. Mehta Memorial Award.
- 2000 Dr T. N. Ananthkrishnan received J. C. Bose Memorial Award.
- 2002 Completion of 100th Ph. D
- 2003 M. Sc. Medical Lab Technology.
- 2004 M. Sc Biomedical Instrumentation Science.
- 2009 Dr P. Venkatesan received D. Sc.
- 2015 Dr S. Vincent received Tamil Nadu Senior Scientist Award.
- 2016 Dr S. Vincent received Doctor of Letters (D. Litt).
- 2017 Completion of 200th Ph. D.
- 2018 Dr S. Vincent received Tamil Nadu Senior Scientist Award.



STRENGTHS OF THE DEPARTMENT

- It is the only department to have produced 224 Ph. Ds as on December 2019.
- It is the first to offer M. Sc in Medical Laboratory Technology in an Arts and Science college.
- It is the first to offer M. Sc in Biomedical Instrumentation science under the innovative courses scheme of UGC in an Arts and Science college.
- Fr. Charles Leigh Zoology museum houses rare and precious specimen collection.
- Rs 1,54,58,258/- is the total grant received through Research Projects between 2014 and 2019.

THRUST AREAS OF RESEARCH

- Animal Diversity
- Environmental Monitoring
- Cell and Molecular Biology
- Biotechnology and Bioinformatics

MAJOR FUNDING AGENCIES FOR RESEARCH

ICMR, CSIR, DBT, DST-SERB, TNSCST, TANSCH, UGC, MoEF, MoES, DSIR, BRNS, DRDO, ISRO, ICAR, INSA, MoCIT.

TEACHING FACULTY

Dr M. C. John Milton, *Head of the Department*

Mr. A. Amalraj, *Associate Professor*

Dr K. Thresia Mathews, *Assistant Professor*

Dr V. Pushpa Rani, *Assistant Professor*

Dr M. Raja, *Assistant Professor*

Ms. Mary Dorothy Anitha Sebastian, *Assistant Professor*

Rev. Dr S. Maria Packiam SJ, *Assistant Professor*

Ms. V. Jelin, *Assistant Professor*

Dr D. Robert Selvam, *Assistant Professor*

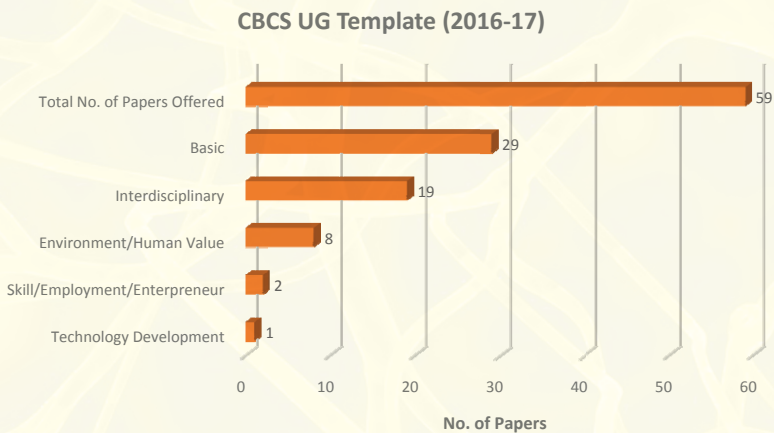
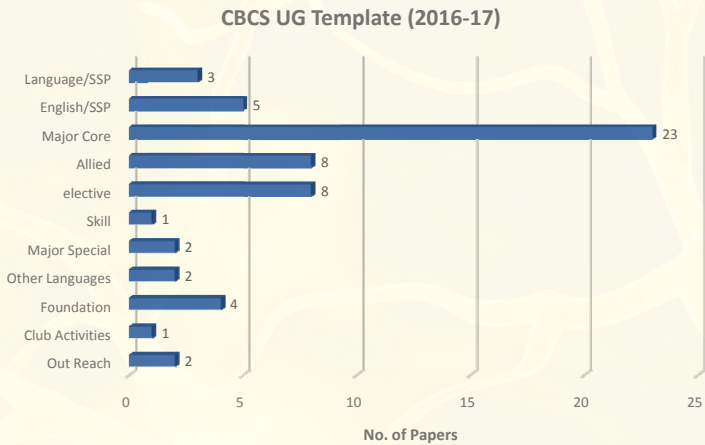
Dr A. J. RenildaSophy, *Assistant Professor*

PROGRAMMES OFFERED

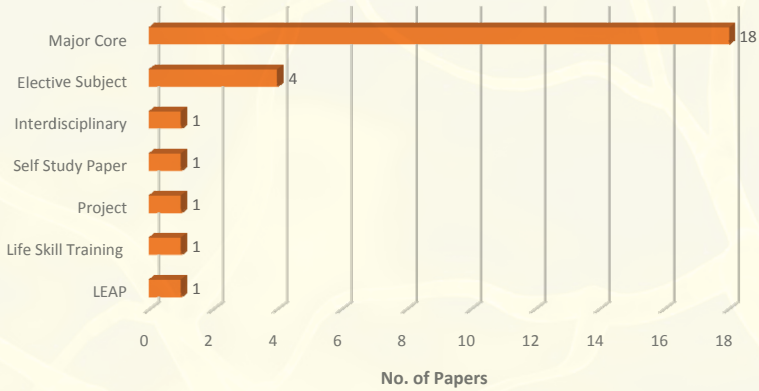
- B Sc Zoology
- M. Sc Zoology
- M. Phil Zoology
- Ph. D Zoology
- M. Sc Medical Laboratory Technology



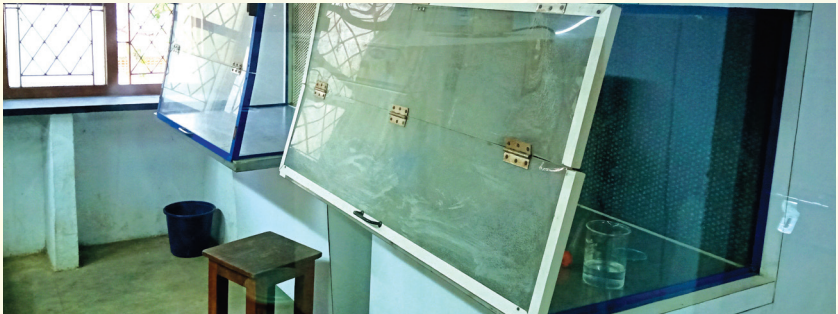
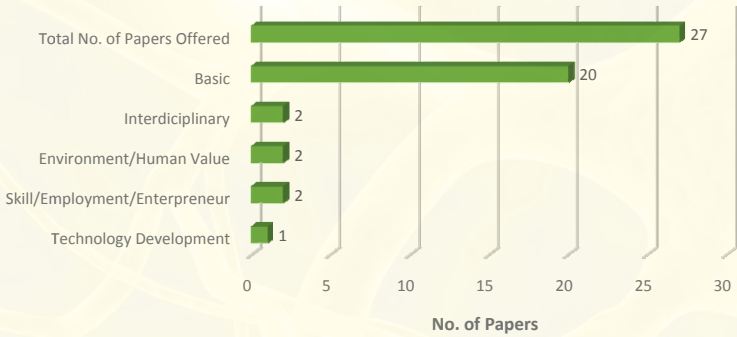
ACADEMIC ENRICHMENT



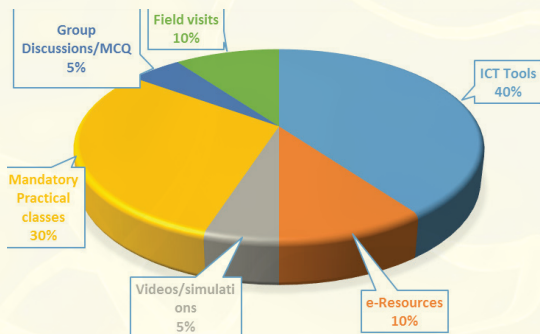
CBCS PG Template (2016-17)



CBCS PG Template (2016-17)



STUDENT CENTRIC AND INNOVATIVE TEACHING LEARNING METHODOLOGIES FOLLOWED IN THE DEPARTMENT



RESEARCH PROJECTS

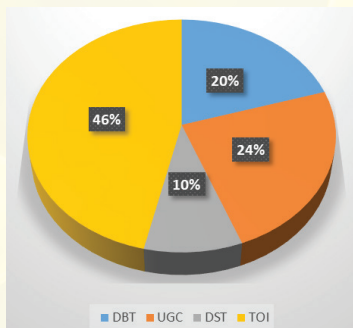
Minor Projects : 03

Major Projects : 09

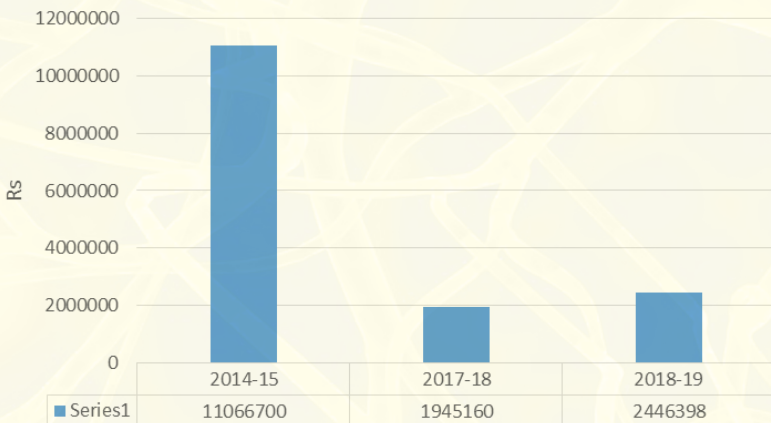
Total Research Grant Received

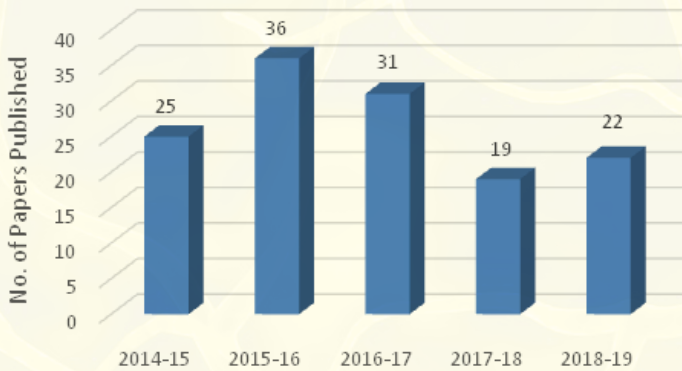
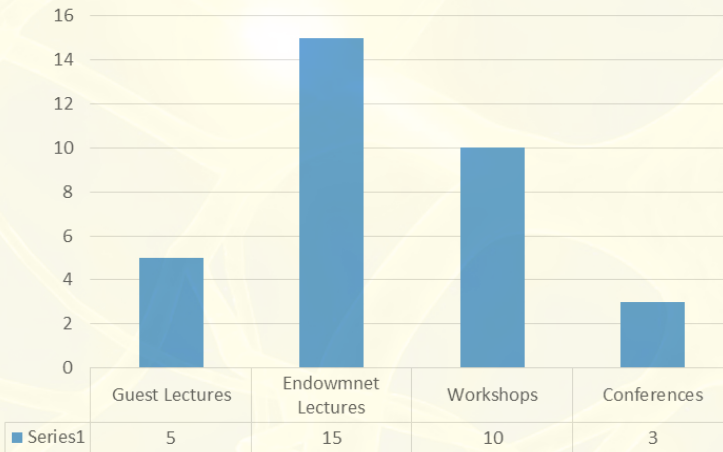
(2014-15 to 2018-19) :

Rs 1,54,58,258/-



TOTAL RESEARCH GRANT RECEIVED (2014 - 15 to 2018-19)



NUMBER OF RESEARCH PUBLICATIONS**GUEST LECTURES/ENDOWMENT LECTURES/WORKSHOPS/
CONFERENCES (2014-15 TO 2018-19)****INFRASTRUCTURE**

Number of Class Rooms : 05

Number of Class rooms with ICT facilities : 05

Number of Labs : 04

Number of Labs with ICT facilities : 04

Number of Research Labs : 04

HONOURS AND RECOGNITION TO STAFF

S. No	Honors/Awards/Recognition	Name of the Staff	Year
1.	Doctor of Science (D. Sc)	Dr T. N. Ananthakrishnan	1964
2.	Fellow of the Indian Academy of Sciences	Dr T. N. Ananthakrishnan	1975
3.	Fellow of Indian National Science Academy	Dr T. N. Ananthakrishnan	1975
4.	Fellow of Indian Acad. of Agricultural Sciences	Dr T. N. Ananthakrishnan	1975
5.	Director, Zoological Survey of India	Dr T. N. Ananthakrishnan	1977
6.	Dr K. V. Mehta Memorial Award	Dr T. N. Ananthakrishnan	1998
7.	J. C. Bose Memorial Award	Dr T. N. Ananthakrishnan	2000
8.	Doctor of Science (D. Sc)	Dr P. Venkatesan	2009
9.	Fellow of National Acad. of Biological Sciences	Dr S. Vincent	2015
10.	Tamil Nadu Scientist Award (Biological Science)	Dr S. Vincent	2015
11.	Fellow of Royal Society of Biology	Dr S. Vincent	2016
12.	Doctor of Letters (D. Litt)	Dr S. Vincent	2016
13.	Fellow of Royal Entomological Society	Rev. Dr S. Maria Packiam SJ	2018
14.	Fellow of Royal Entomological Society	Dr M. Raja	2018
15.	Tamil Nadu Senior Scientist Award	Dr S. Vincent	2018





ILLUSTRIOUS ALUMNI



Mr S. S. Meenakshi Sundaram I.A.S
*Commissioner and Secretary
Industries and Commerce Department
Govt. of Assam, India.*



Mr T. Anand I.A.S
*Collector,
Thiruvarur District,
Tamil Nadu, India.*



Mr A. Vikranth Raja I.A.S
*Collector,
Karaikal District,
Tamil Nadu, India.*



Padma Shri. Dr V. Mohan
*Chairman, Dr Mohan's Diabetes
Specialities Centre & Madras Diabetes
Research Foundation, Chennai, India.*



Padma Bhushan Dr V. S. Ramachandran
*Neuroscientist
University of California, San Diego, USA*



Dr Sunil Mathan Kurien
*Scientist
Scripps Research Institute, USA*



Dr. Deenadayalan Bakthavatsalam
*Scientist
Texas Heart Institute, USA*



Dr. Fabian Davamani
*International Medical University (IMU),
Kuala Lumpur*

ILLUSTRIOUS ALUMNI



Mr Anand Babu
Cine Actor



Rt. Rev. Dr Lawrence Pius DD
Bishop - Dharmapuri



Dr Sultan Ahmed Ismail
Ecologist - Vermitech Expert
*Director, Ecoscience Research Founda-
tion, Chennai, India*



Mr Shekar Dattatri
Wildlife Filmmaker
Chennai, India.



Dr. Sr. Regina Mary
Principal
Auxillium College, Vellore, India.



Dr Sr. Josephine Anto
Principal (Rtd)
Auxillium College, Vellore, India.



Mr. Sridhar Balasubramanian
Vice President & Head of Quality
Biocon, Bengaluru, India.



Mr. T. R. Shankar Raman
Ecologist
Tamil Nadu, India.

ILLUSTRIOUS ALUMNI



Dr K. Thangaraj
Scientist,
Centre for Cellular Molecular Biology
(CCMB) Hyderabad, India.



Dr R. W. Alexander Jesudasan
Principal
Madras Christian College
Chennai, India.



Dr George John
Scientist,
Indian Council for Agricultural research
(ICAR)



Mr P. Gowri Shankar
Herpetologist
Tamil Nadu, India.



Dr Felix Paul
CEO, GeneX Pvt Ltd
Tamil Nadu, India.



Dr John Ravindran
Indian Council for Medical Research (ICMR),
Tamil Nadu, India.



Dr V. Deepak
Natural History Museum
London, UK



Dr S. Prabakaran
Scientist D
Zoological Survey of India
Hyderabad, India.

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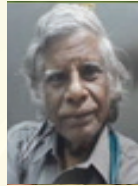
Dr Mepur H. Ravindranath
Scientist
California, USA



Prof. Raman Sukumar
Professor,
Indian Institute of Science, Bengaluru, India.



Dr John Daniel Marcus Knight
Scientist C
Ministry of Environment and Forests
Govt. of India, New Delhi, India.



Dr S. Jeyachandran (2 Rupee Doctor)
Chennai, India.

