Introduction

The Department of Veterinary Parasitology became functional from the year 1960 in the Veterinary College at Hebbal in Bangalore affiliated to the University of Agricultural Sciences established in 1958. It then became a constituent of the Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar from 2005. It offers courses for undergraduate students of Veterinary Science, MVSc. and Ph.D programmes in Veterinary Parasitology.

The main activities of the department are teaching, research, training, diagnostic services and consultancy on parasitic diseases.

- The department offers courses for BVSc & AH students from the II year to V year and courses for MVSc and Ph.D students in this field of specialisation and also to students of other departments.
- Forty two students have completed Masters degree programme and seven students PhD. degree program.
- More than 400 research papers have been published by staff of the department.
- The department has organised many national and international conferences.

The department was given the status of Centre of Advanced Studies (CAS) in Veterinary Parasitology in 1995 by Indian Council of Agricultural Research (ICAR) during the VIII plan. It has functioned during the eighth, ninth, tenth and eleventh plan periods and is now known as the Centre of Advanced Faculty Training (CAFT). The Centre has conducted 27 training programmes for scientists and faculty members all over the country. The CAFT also conducts and participates in Training for Veterinary Officers funded by the ASCAD, State government, KVC and other agencies. The CAFT has conducted research on various aspects and developed instructional material.

The department has completed more than fifty research projects on parasitic disease problems funded by the ICAR, World bank and other private agencies with significant findings regarding etiology, biology, epidemiology, immunology, treatment and control and molecular biology of many helminth, protozoan and arthropod parasites.

Consultancy services on parasitic diseases problems are provided for field veterinarians and also farmers, pet owners and others. Expertise is available on specific identification of parasites of animals and humans which is utilized by both state farms, hospitals, other institutions and also from different Universities in India. Diagnostic services are provided on parasitic diseases on a regular basis to Veterinary Officers of the Department of AH & VS, Government of Karnataka.
Objective of CAFT

The primary aim of this Centre is human resource development by way of conducting training programmes for scientists and faculty members to update their knowledge in this discipline and acquire newer technologies. The other objectives of the CAFT is to develop instructional material, promote research work on emerging problems and introduce new techniques for adoption in diagnosis and control of parasitic diseases.

Faculty: Name & Designation (as on 30.09.2011):

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
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<tbody>
<tr>
<td>Dr. Placid E. D’Souza</td>
<td>Professor and Head cum Director, CAFT</td>
</tr>
<tr>
<td>Dr. Nithin Prabhu</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. Sadhwi Sharma</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. C. Renukaprasad</td>
<td>Director, IAH &amp; VB</td>
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<td>Dr. Sudharani</td>
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<td>Dr. G.S. Mamatha</td>
<td>Asst. Director</td>
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<tr>
<td>Dr. Jaya N. Lakkundi</td>
<td>Project Assistant</td>
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Animal Disease Monitoring and Surveillance

Human Resource Development

Particulars of Short Courses / Training program for HRD conducted during XI plan period

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<tr>
<th>Name of the Program</th>
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<tr>
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<tr>
<td>Trends and Perspectives in the Detection, Identification and Control of Parasitic Diseases</td>
<td>10.11.2008 to 30.11.2008</td>
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<td>Emerging and re-emerging parasitic diseases of Veterinary and Public Health importance</td>
<td>2.3.2009 to 21.3.2009</td>
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<tr>
<td>Trends and Perspectives in the Biology, Ecology and Control of Parasitic diseases</td>
<td>11.3.2010 to 31.3.2010</td>
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<td>An update on conventional and new methods for identification, diagnosis and Control of Parasitic diseases</td>
<td>28.02.2011 to 20.03.2011</td>
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Infrastructure development (equipments etc.)
Infrastructure facilities created

Air conditioned Seminar hall with LCD projector, Interactive board, slide projector, overhead projector, TV & VCR, Teaching and training Laboratory, Immunology and Molecular research laboratory, Computer room and Museum.

Equipment
Laminar flow, Refrigerator BPL, Nikon F-001 camera, Plate wash (ELISA), Air conditioner, Sartorius electronic balance, Public address system, Centrifuge (superspin - R), Monocular laboratory microscope, Rota centrifuge, Trolleys, White board with easel stand, Television, VCR, Crompton pedestal fan, PCR Thermal cycler, Projection screen, Leica Binocular research microscope, QBC V. Vety. Haematology system with QBC paralens, Kenstar water purifier, Immunoelectrophoresis equipment, Pest smasher, V-16 vertical gel electrophoresis apparatus, Dissection microscopes, Video camera, Regulator with cylinders, CO₂ incubator, Computer hardware with accessories, Insect cabinet, Multimedia unit computer, Over head projector, Slide magazine, Stereoscopic binocular microscope, Monocular microscope LM-52, Power pack ps-100 voltage digital, LCD multimedia projector, UV transilluminator, Serological water bath, Vortex mixer, Insect cabinet , Sony digital camera ,Xerox machine. All the glassware, plasteware and equipment required for research and training purposes.

Renovation of Lecture Room/Laboratories
Renovation of the seminar hall, laboratories, museum, computer room, immunology and molecular research laboratory, staff rooms and tick proof shed.

Library upgraded
One hundred and eighty three books including text books, reference manuals, encyclopedias, colour atlases and video cassettes / CDs have been procured with CAFT grants

Awards/Recognitions:
The following awards were received by Dr. Placid E. D'Souza the Professor cum Director CAFT
Best research article award in the Journal of Veterinary Parasitology during 2007
Best Veterinarian Award by Karnataka Veterinary Association during 2008
Fellowship of the National Academy of Veterinary Science (India) during 2008
VS Alwar Memorial Award for best research article in Journal of Veterinary Parasitology 2008
Sri SM Ismail Oration award for excellence in research on helminth parasitic diseases by the Indian Association for the Advancement of Veterinary Parasitology during 2009

Dr. B.S. Pradeep, M.V.Sc. Scholar was awarded the Certificate of merit for Best Oral Presentation in Session IV, Chemotherapy & control in the XX National Congress of Veterinary Parasitology at Hisar by the Indian Association for the Advancement of Veterinary Parasitology

Dr.B.P.Pandey memorial oration award for best teacher in Parasitology during 2010 by the Indian Society for Parasitology

Four M.V.Sc students and one PhD. Student received the University Gold Medal of the KVAFSU for highest overall OGPA.

Publication

• **International Journal** - Two


• **Indian Journals** – Twenty Two


- **Books:** nil
- **Manuals**


4) Placid E. D’Souza, 2008 Emerging and re-emerging parasitic diseases of Veterinary and Public Health importance. Compendium of the 12th National Training Programme of the CAFT


- **Any other**

  **Review articles** - Two


  **Papers presented in Symposia/ Congress/Conference** –Thirty four


Diseases and their control in the New Millennium on April 13-15 2007. Rajiv Gandhi University of Health Sciences, Bangalore. p 53


South India and in vitro studies on growth assay of *Arthrobotrys oligospora*


30) Placid E.D’Souza, (2011). Towards strengthening of teaching, research and creation of a national museum of veterinary Parasitology. XXI National Congress of Veterinary Parasitology, 05.01.2011 to 07.01.2011, S3-LP2, pp
95-103. Department of Veterinary Parasitology, Bombay Veterinary College, Mumbai.


**Financial Statement**

**Expenditure under CAFT during XI plan**

<table>
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<tr>
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<th>2007-08</th>
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