

# RESUME

**Dr. G. CHANDRU**



Dedicated, resourceful and innovative who strives to upgrade Average / below average students, helps to students in poverty level and supports colleagues and administration in facilitating each student's social and intellectual growth by creating an atmosphere of mutual respect and open communication. Has nearly 16 years of teaching experience.

## **Educational Qualifications**

Degree	Subject	Year of Passing	Name of the University/Institution	Class/Awarded
Ph.D.,	Zoology	2005	Annamalai University Annamalainagar Chidambaram	Awarded
M.Phil.,	Zoology	1998	A.V.C. College, Mayiladuthurai, Bharathidasan University Trichirapalli	First
M.Sc.,	Zoology (Wildlife Biology)	1995	A.V.C. College, Mayiladuthurai Bharathidasan University Trichirapalli	First
B.Sc.,	Zoology	1991	A.V.C. College, Mayiladuthurai. Bharathidasan University Trichirapalli	Second

## **Thesis Works**

<b>Ph.D.,</b>	Study of the effects of the herbal extract of <i>Thespesia populnea</i> (Linn.) on the <b>biochemistry, hormones and histoarchitecture</b> in relation to possible <b>antifertility</b> of female genital tract in mice . Awarded by ,Annamalai University, Annamalai nagar. South India.
<b>M.Phil.,</b>	A survey of <b>helminthes infection</b> in the <b>blackbuck</b> ( <i>Antelope cervicapra</i> ) at <b>Sathyamangalam reserve forest</b> Erode District. Dissertation submitted and Passed through the Bharathidasan University, Trichy South India.
<b>M.Sc.,</b>	Population, habitat utilization and foraging behavior of some <b>birds of agriculture importance</b> in and around Mannampandal. Dissertation submitted and passed by A.V.C.College, Mayiladuthurai. South India.
<b>B.Sc.,</b>	Studies on few <b>household insect pests</b> . Dissertation submitted and passed by A.V.C. College, Mayiladuthurai.

## Teaching Experience

Name of the Institution	Duration	Designation	Subject taught
A.V.C College, Mannampandal Mayiladuthurai	June 1999 - April 2001	Lecturer	Allied Zoology (B.Sc., Chemistry, Botany) Zoology (M.Sc., & M.Phil.,)
Poompuhar College, Melaiyur	July 2003- April 2005	Lecturer	B.Sc., Zoology
GGR College of Engineering. - Vellore	June 2005 - July 2006	Lecturer	Industrial Bio-Technology (IBT)
Poompuhar College Melaiyur	Aug 2006 - Dec 2009	Assist. Professor	M.Sc., Zoology
Kalaimahal College of Arts and Science , Sembanarkoil.	Sep 2010 - Feb 2011	Principal	Value Education, EVS, Basic-Bio-Stat, Bio-Science, (UG Classes, B.Ed and M.Ed Classes)
A.V.C. College Mannampandal, Mayiladuthurai.	Feb 2013- Till date	Assist. Professor	M.Sc., Zoology Classes, Allied Zoology and EDC Classes

### Project work guidance:

- Survey of **helminthes infection in farm and stray cattle** of Melapathi village. (1999-2000).
- Survey of **helminthes infection of goat (*Capra hircus*)** in farm and stray at Thirukadiyur village. (1999-2000).
- Studies on poultry infective parasites (2000 - 2001).
- Analysis on the contents and types of parasites in the common Myna – *Acridotheres tristis*. (2000-2001).
- Studies on the incidence of **parasites of amphibians inhabiting** in an agro ecosystem in and around Mayiladuthurai. (2000-2001).
- Studies on culture of embryos and synthetic seeds of agriculture plants (Nov - 2005).
- Studies on culture of leaf (**Agro bacterium medicated transformation**), synthetic seeds of agricultural plant (Nov - 2005).

- Alkaline Protease production by isolated *Bacillus subtilis* in solid state. (April 2006).
  - Study of the effect of contraceptive pill **primoult – N – on estrous cycle and histoarchitecture** of female genital tract in mice (April – 2007).
  - Effect of contraceptive pill **primoult – N – on estrous cycle** and, bio chemical profile of cyclic female mice (April – 2009).
  - Study of survey of roosting site in different agricultural field of *Merops orientalis* (April - 2009).
  - Effect of raw extract of *Hypanthus enuspermus* **on reproductive tract of female** cyclic mice(April-2014).
  - Population status and milk quality among **Genes Bos** in selected villages of Thiruvarur district. South India. (April-2015).
  - Effect of raw extract of *Clitoria ternate* on fertility effect of female rat. (April-2014).
- Population status and milk quality among *Genes Capra* in selected place in Tamil Nadu., South India. (April-2015).
- Crustacean diversity fishery in selected coastal area of Karaikal district in south India. (April-2016).
  - An assessment of seed dispersal by ungulate in Pointcalimere wildlife Sanctuary south India (April – 2017).

### **Worked in Project**

Research Associate in Department of Science and Technology(DST) project from July 1995 to May 1996. under the Principal investigator of Dr.M.C.Sathyararyana, Reader., A.V.C.College.,Mannampandal., title of the project is “**Ecological aspect of parasitic infection in black buck (*Antelope cervicapra*)** at Point Calimere wild life sanctuary., Nagapattinam (DT).

## List of Publication:

### Journals

**Chandru, G.**, Sethupathy S., (2017) Anti-fertility and withdrawal effect of *Thespesia populnea*

(L.)sol.Ex.correa. in female mice. IJRSR:8(12)22373- 22376.ISSN:0976-3031.

**Chandru G.**, and Jayakumar, K and M.Girija (2018) Effect of Raw Extract of *Clitoria ternatea* (L.) on sexual stimulate test of Female genital tract in rat. WSN (91):86-98.

**Chandru G.**, and Jayakumar, K and Navaneethakannan, D (2017) Effect of Raw Extract of *Hybanthus enneaspermus* (L.)F.Muell. on the Fertility Test in Female Mice (*Mus musculus* ) WSN (65):160-170.

**Chandru G.**, and K. Jayakumar (2016) Anti- Steroidogenic Effect of *Thespesia populnea*

(L.) (Sol.ex Correa. in Female Mice (*Mus musculus* ) WSN(55):263-273.

**Chandru G** and Asokan S (1999). Studies on the population and habitat utilization of

Some birds of agriculture importance in and around Mannampandal. *J.Eco.Phsiol*

2 (4): 105-108.

### Books

**Chandru G (2008)** A concise of Biophysics and biochemistry., Saras publication 1<sup>st</sup> ed.

1- 134pp. ISBN 978 – 81 – 89941 – 42 – 0.

**Chandru G (2008)** Biology of blackbuck, sneha publication 1<sup>st</sup> ed. 1-119pp. ISBN 81 – 87371 – 73 – 0.

### **Submission of publication:**

**Chandru G.**, Anitha and V Duraimurugan and (2017) Population Status and milk quality among the *Genes Bos* in the selected villages of Thiruvavur District, Tamil Nadu, South India.

International Conference On “Current Challenges In Conservation of Biodiversity” (In4CB-2017) PG Research Department of Zoology and Wild Life Biology, A.V.C. College (Autonomous) Mannampandal, South India. 16<sup>th</sup> to 18<sup>th</sup> February 2017. ( submission).

**Chandru G.**, Pandiyan J., Durga and V., Baskaran N. (2017) “An Assessment of Seed Dispersal by ungulates in Point Calimere Wildlife Sanctuary, Southern India”(awaiting Public., *Jr. Arid Environments*).

### **Preparation for publication:**

**Chandru, G.**, Sethupathy S., K.Krishnappa., Elumalai (2019) Antifertility Effect of *Thespesia populnea* (L.)(Sol.ex Correa.n) biochemistry, hormones, histoarchitecture and withdrawal in female reproductive tract of mice(*Mus musculus* ). ( et to be submission for *Jr. Ethinopharmacol.*).

**Chandru,G** Manual of Biochemistry, Hematology, Hormones and Histoarchitecture of M.Phil. and Ph.D. research study.

**Chandru, G** and Vimal , N. Crustacean diversity of fishery in selected coastal area of Karaikal district , South India(searching to standard Jr.) .

## Workshop and Seminar Attended

Attended Symposium on the **Lion-Tailed Macaque (*Macaca silenus*)** P.H.V.A and **G.A.S.P workshop, Arignar Anna Zoological Park, Madras India , 11 to 14 Oct '1993.**

Participated in the U.G.C sponsored national symposium on "**Recent trends in Indian Wildlife Research.**" Organized by the "Research Department of Zoology and Wildlife Biology " A.V.C College during **22<sup>nd</sup> to 24<sup>th</sup> February 1995.**

Participated in the UGC sponsored **workshop on aquaculture** held in A.V.C College from **8<sup>th</sup> to 9<sup>th</sup> February 1996.**

Participated and presented a paper in National Seminar on Eco Friendly environment for sustainability. "**Population and habitat utilization of some birds of agriculture importance in and around Manampandal Mayiladuthurai**".organized by Department of Zoology, Annamalai University, **27<sup>th</sup> and 28<sup>th</sup>. March-2000.**

Participated in the UGC sponsored workshop on "**Wildlife Photography**" held in AVC College, Manampandal from **24<sup>th</sup> to 25<sup>th</sup>, Feb 2001.**

Participated and presented a paper in National Seminar on recent trends on the study of aquatic and terrestrial bio resources. "**Effect Of *Thespesia populnea* (Malvacea) on the reproductive tract of female mice**" Annamalai University from **27<sup>th</sup> and 28<sup>th</sup> .Feb 2003.**

Participated and presented a paper in UGC National Seminar on Bio Vision "**Anti-steroidogenic property of *Thespesia populnea* (Malvacea) bark on bio synthesis of estrogen in female mice**". Annamalai University from **21<sup>st</sup> and 22<sup>nd</sup> January 2000.**

Attended the Science Academics' Lecture Workshop on vistas in Biosciences' at PG & Research Department of Botany, St. Joseph's college(Autonomous), Tiruchirappali- Tamil Nadu on **30<sup>th</sup> & 31<sup>st</sup> January, 2015.**

Participated and presented in the "Fertility effect of Indian medicinal Plant Extract in female Genetal tract in Rat" One day national Seminar On "Recent Trends in Advanced Bio-Science (RTABS-2019) PG Research Department of Zoology Poompuhar College (Autonomous) Melaiyur-609 107. South India. **9<sup>th</sup> January 2019.**

## Attended Conference :

Participated and presented in the paper on “The herbal extract of *Thespesia populnea*(L.) Sol.ex correa.on the biochemistry,hormones,histoarchitecture in relation to possible Anti-steriodogenic and withdrawal effect of female genital tract in National Conference on Interdisciplinary interaction on recent innovations and prospects of phytopharmaceuticals held at P.G.and Research Department of Pharmacy, Department of Biochemistry and Biotechnology, Department of Zoology Annamalai University, Annamalainagar, from 26<sup>th</sup> and 27<sup>th</sup> October 2018.

Participated and presented in the “Anti-steriodogenic and withdrawal effect of *Thespesia populnea*(L.) on female genital tract in mice” *Clitoria terneta* on genital tract in female rat International Conference on Molecular Advances in Biomedical Research (ICMABR - 2018) PG & Research Department of Zoology, Nehru Memorial College(A). Puthanapatti,” 9<sup>th</sup> & 10<sup>th</sup> ,February 2018. and Department of Animal science, Bharathidasan University, Tiruchirappalli -24. , during

Participated in the National Conference – HBIETC 2017 on Effect of *Thespesia populnea* (L.)Sol.ex Correa. on Histoarchitecture of female genital tract in mice. A.Veeriya Vandayar Memorial Sri Pushpam College(A). Thanjavur Dt, Tamil Nadu, India., during 17<sup>th</sup> and 18<sup>th</sup> ,July 2017.

Participated in the “Application of Science and Technology in Rural Areas -ASTRA” Catalyzed and supported in by TamilNadu State Council for Science and Technology, Chennai and organized by the PG Department of Zoology, D.G.G.Arts College(W), Mayiladuthurai held on 5-10-2017-October 2017.(Workshop)

Participated and presented in the Population Status and milk quality among the Genes Bos in the selected villages of Thiruvarur District, Tamil Nadu, South India, International Conference On “Current challenges In Conservation of Biodiversity”(In4CB-2017) PG Research Department of Zoology and Wild Life Biology, A.V.C.College (Autonomous) Mannampandal, South India. 16<sup>th</sup> to 18<sup>th</sup> February 2017.

Participated and presented in the Crustacean diversity of fishery in selected coastal area of Karaikal district in south India., National conference on Current Perspectives of Biosciences(SCCPB-2016) held at P.G.and Research Department of Zoology & Wildlife Biology, A.V.C.College (A),Mannampandal, Mayiladuthurai, Tamil Nadu. India., 20<sup>th</sup> February 2016.

Participated and presented in the paper on “Population Status and Milk Quality among the Genus *Capra* in selected place of Tamil Nadu in One day students’ National Conference on the current Perspectives of Bioscience(SCCPB-2016) held at P.G.and Research Department of Zoology & Wildlife Biology, A.C.C.College (A),Mannampandal, Mayiladuthurai, Tamil Nadu. India., 20<sup>th</sup> February 2016.

Participated and presented in the “Effect of raw extract of *Clitoria terneta* on genital tract in female rat” 22<sup>nd</sup> & 23<sup>rd</sup> ,January-2016 National Conference on Trends in Healthcare and Biotechnology: Opportunities &

Challenges (THBOC- 2016) Biosafety A.Veeriya Vandayar Memorial Sri Pushpam College(A). Thanjavur Dt, Tamil Nadu, India., during 22<sup>nd</sup> and 23<sup>rd</sup>, January 2016.

Participated in the Effect of raw extract of *Hypanthus ennuspermus* on genital tract in mice., National Conference on “Biosafety and Health Security at Periyar Govt. Arts College, Cuddalore on 23<sup>rd</sup> and 24<sup>th</sup> July, 2016.

Participated in the Effect of Primolut-N(contraceptive pill)on biochemistry and histoarchitecture of female genital tract in cyclic mice (*Mus musculus*), National Conference on “Research challenges in Modern Biological Science” attended on 21<sup>st</sup> and 22<sup>nd</sup> February 2014 at Chikkaiah Naicker College, Erode., Tamil Nadu,India.

### **Responsibility in the Chairperson in the Conference and Seminar:**

Session II “Recent Trends in Advanced Bio-Science (RTABS-2019) PG Research Department of Zoology Poompuhar College (Autonomous) Melaiyur- 609 107. South India. 9<sup>th</sup> January 2019.

### **Responsibilities in the committees of Department:**

Co – opted member in board of studies

Co-opted member in IQAC Criteria

Co-opted member in Lab glass wears purchase and verification

#### **Department**

*Co – opted member in board of studies*

*Co-opted member in IQAC Criteria –IV*

*Co-opted member in Lab glass wears purchase and verification*

*Attended Confidential Board of meeting in the Bharathiyar University ,Coimbatore on 11-3-2017.*

*Member of Zoology question papers scrutinizing in Bharathiyar University ,Coimbatore.*

### **Visited in Field Trips**

- Participated in the annual wild animal census programme from 26-01-94 to 02-03-94 at the grizzled giant squirrel Wild life Sanctuary.
- Participated in the Black Buck (*Antelope cervicapra*) animal census programme during 1994 at the black buck sanctuary, Point Calimere, Nagapattinam district.
- Participated in the Black buck ( *Antilope cervicapra*) animal census programme on 24<sup>th</sup> ,25<sup>th</sup> March 2008 at the Black buck wildlife sanctuary , Point calimere, Nagapattinam District.
- Participated in the annual birds census programme on 20<sup>th</sup> and 21<sup>st</sup> January 2009 at Point calimere wildlife sanctuary, Nagappattinam District.



- **Field visit** arranged and accompanied with IIM.sc .,Zoology students(Pompuhar college) visited Vadanthagal on the month of Januauary-2008.
- **Accompanied with IIM.sc.,Zoology students** (Pompuhar College) to visit VIT, Vellore., for purpose of demo of DNA finger printing technique on the month of Febrary-2009.
- **Field visit** arranged and accompanied with IM.Sc.,and IIM.sc.zoology Students, A.V.C.College to visited different **ecosystem** and **Sterling Bio-Tech Ltd in Ooty**. March-2013.
- **Accompanied with IIM.sc, Zoology students** , A.V.C.College to visit Bio-Tech Lab in RGCA Sirkali., on 21.3.2014.
- **Accompanied with, I B.Sc.,Zoology students**, A.V.C.College to visit **Sea shore of Fauna** at Pompuhar seashore on 29-10-2015.
- **Accompany with IM.sc.,Wild Life Biology students** , A.V.C.College to attend anul **Wild animal census program** from 08<sup>th</sup> to 12 **January 2016** at Amaravathy **Tiger Reserve Forest**, Udumalai pet., South India.
- **Field visit** arranged and accompanied with with, I B.Sc.,Zoology students, A.V.C.College to visit Central Marine Institute of school of Marine Biology at Parangipettai, Annamalai university on 24-11-2017.
- **Accompany with IM.sc.,Wild Life Biology students** , A.V.C.College to attend **Tiger census program** from 02<sup>nd</sup> to 09**January 2018** at Sathyamangalam tiger reserve Forest, Kadambur beat, KN Palayam, Sathyamangalam **Tiger Reserve Forest**, South India.
- **Accompany with IB.sc.,Zoology students** , A.V.C.College to visited and attended LCD Class about “Pollination importantce of butterfly” at National Butterfly Park in SriRangam., Trichirapalli., on 17 October 2018.

## Academic activity

Special talk in media –**Puthiya thalamurai to talk about Biology of Black buck in southern biosphere., India.**,on World wild life celebration week on the month of September-2013.

- Young Scientist program taught in subject of Evolution and Animal physiology.in A.V.C. College., May 2013 and 2014.
- Young scientist program taught to exhibition in different **Ecosystem model.**, at A.V.C. College., on the May -2014.
- Young scientist program taught to Animal physiology, **Ecosystem**,at A.V.C.College., on the May -2017.
- Talk about “**Dengue Fever Awareness Program**” in various branches of student’s of A.V.C. College on 29-1-2015.

### **Establishment on the service**

- Establishment of zoology laboratory **equipment** and **books** in PG Department of zoology., Poompuhar college, during the service 2008-2009., as Assitant . Prof. in Zoology.
- Young scientist program taught to exhibition in different **Ecosystem model.**, at A.V.C. College., on the May -2014.
- Establishment of **B.A. Tamil course** in Kalaimagal College of Arts and science ., Sembanarkoil during the service 2010-2011., as Principal

### **Activity to be conducted through wild life and Indigenous Biological species**

1. Awareness Programme on importance of wild medicinal plant in rural area.
2. Awareness Programme on importance of indigenous domestic cattle’s of Genes *Bos* and Genes *Capra*.

### **Other activity:**

Co-ordinator in two wheeler monitoring in the owners of two wheeler in the student’s of department zoology A.V.C. College., 2014 onwards to till date.

### **Extra curricular activity**

- 1<sup>st</sup> Prize winner of inter college drawing competition programme on “Scavenger role of Wild animal” organized by SPCA at Kuttalam. On 3<sup>rd</sup> April 1994.

- Drawing , Painting and Fine arts programme.
- Skills of natural visual drawing and taking skill of Photographs of Nature, and wild animals.
- **Sports Components:** Act as Volleyball player.

### **Technical Knowledge**

- Micro-biology
- Bio-technology
- Experimental Animal **surgeon (OVX)**
- Microscopic identification of Histopathology and Parasitology
- **GPS**-handled in wild animal census programme
- Ms office in compute.

### **Relevant information**

- ❖ Our A.V.C.College various department of I<sup>st</sup> , II<sup>nd</sup> year UG and PG students benefiting student supporting funding Agency (NGO) through me the “**Karna suryothayam Thannarva thundu Niruvanam**” Sembnorkovil branch (I am as one of the offering member of this NGO).

### **Referees:**

**Dr.S.Sethupathyabesan MD.,Ph. D.,**  
 Dean, Faculty of Medical biochemistry,  
 Professor of Medical Biochemistry,  
 Rajah Muthiah Medical College & Hospital, (R.M.M.C & H.)  
 Annamali University  
 Chidambaram-608 002.

**Dr. N.Nagarajan Ph.D., (UK), Ph.D.,(Ind)**  
 Principal and Head ., Department of zoology & wildlife Biology,  
 A.V.C.College (Autonomous),  
 Mannampandal - 609305,  
 E-mail: [oystercatcher@rediffmail.com](mailto:oystercatcher@rediffmail.com), Mobile:9487112627.

**Dr.G.Archunan Ph.D.,**  
Professor and Head in Department of Animal Science  
Bharathidasan University,  
Tiruchirapalli – 620 024,  
E-mail:garchu56@yahoo.co.in,  
Mobile: 9443922228.

**Dr. K. Balasubramanian Ph.D.,**  
(Rtd.) Professor and Head., Department of Endocrinology,  
Institute of Basic Medical Science (IBMS),  
Tharamani Campus,  
Madras University, Chennai,  
E-mail:kbala82@hotmail.com,  
Mobile: 9444431991.

#### **Personal Information**

Name	:	Dr. G. Chandru
Father's Name	:	P. Govindaraju
Date of Birth	:	21-08-1974
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Religion & Cast	:	Hindu- (BC)

#### **Address for communication**

Dr. G. Chandru  
2/97 West street,  
6-Kilaiyur Post, Tharangambadi (TK)  
Nagapattinam DT.  
Tamilnadu, India-609 304.,  
Mobile No : 9994820962  
E-mail ID : [drgchandru@gmail.com](mailto:drgchandru@gmail.com)

**Present Working Address**

Dr. G. Chandru,  
Assistant Professor in Department of zoology,  
A.V.C. College (Autonomous),  
Mannampandal – 609 305 .  
Mayiladuthurai,  
Nagapattinam(DT).

The details given above are true to my knowledge and belief.

Yours faithfully,

(G.CHANDRU)