

## CURRICULUM VITAE

### PERMANENT ADDRESS

Dr. T.P.N. HARIPRASAD. M.Sc., Ph.D.  
No.97, 5<sup>th</sup> Cross, 29<sup>th</sup> Main,  
BTM Layout, II Stage,  
Bangalore 560076  
Karnataka, INDIA



### CORRESPONDENCE ADDRESS

Dr. T.P.N. HARIPRASAD. M.Sc., Ph.D.  
Assistant Professor, PGD in CEART,  
Dept. of Life Science, J.B. Campus,  
Bangalore University, Bangalore 560056  
Karnataka, INDIA  
Mob: +91- 8970079620  
Email: hariprasad.tpn@gmail.com ; hari\_tpn@rediffmail.com

### EDUCATIONAL QUALIFICATION : M.Sc., Ph.D [KSET - 2013]

|   | <b>Position/Degree/<br/>Course</b>      | <b>Subjects/Title</b>  | <b>College/University/<br/>Institute</b>                | <b>Year</b> |
|---|---|--|---|-------------|
| 1 | Assistant Professor<br>(2016 till date) | Dept. of Life Science  | Bangalore University                                    | -           |
| 2 | K-SET                                   | Life Science   | -   | 2013        |
| 3 | Post Doctoral Fellow<br>(2013-2016)     | Yenepoya Research Centre   | Yenepoya University                                     | 3 years     |
| 4 | Guest Faculty<br>(2010-2013)            | Centre for Applied Genetics,<br>Bangalore University                           | Bangalore University                                    | 3 years     |
| 5 | Ph.D.                                   | Genetics and Biochemical<br>studies in <i>Anopheles<br/>stephensi</i> – Liston | Applied Genetics<br>Bangalore University                | 2004-2011   |
| 6 | Junior Research<br>Fellow               | Genetics and Biochemical<br>studies in <i>Anopheles<br/>stephensi</i> – Liston | Centre for Applied<br>Genetics ,Bangalore<br>University | 2003-2006   |
| 7 | M.Sc.                                   | Applied Genetics   | Centre for Applied<br>Genetics, Bangalore<br>University | 2001-2003   |
| 8 | B.Sc.                                   | Botany, Chemistry and<br>Zoology.  | Vijaya College,<br>Bangalore University                 | 1998-2001   |

- **RESEARCH**

|   |  |               |                      |
|---|--|---------------|----------------------|
| Research project  | UGC<br>(UGC-BSR Start-Up grant Research project) | Rs. Ten Lakhs | 2 years<br>(ongoing) |
| Papers Published  | -  | -             | 18                   |
| Books published   | -  | -             | 02                   |
| Book Chapter  | -  | -             | 01                   |
| Conference Presentations                                | -  | -             | 07                   |
| Workshop/Conference/Trainings                           |  |               | 11                   |
| Workshop/Conference/Trainings<br>(Organising Committee) | Co-Convenor/<br>Local Convenor                   | -             | 02                   |
| Conference /Seminars attended                           | -  | -             | 12                   |
| Orientation / Refresher Course                          | Bangalore<br>University                          | -             | 03                   |

**CURRICULAR DETAILS**

**THRUST AREA OF RESEARCH:**

- Molecular Biology of Insecticide Resistance, Cytogenetics, Biology of Mosquitoes, Ecology, Integrated Pest Management.

**CURRENT OCCUPATION**

- **Assistant Professor** (UGC Innovative Programme PGD in CEART), Department of Life Science, Bangalore University from 2016 till date.

**RESEARCH PROJECT (2017)**

- **Dr. T.P.N. Hariprasad** (Principal Investigator) – “**Kdr (knockdown resistance) variations in major mosquito vectors *Anopheles stephensi* and *Aedes aegypti* from Bangalore**”, UGC-BSR Start-Up grant Research project funded by UGC (Grant: Rs. Ten Lakhs).

**RESEARCH EXPERIENCE (Post-Doctoral Fellow)**

- Three years of **Post-Doctoral** research at the Yenepoya Research Centre, Yenepoya University, Mangalore from 2013-2016. Research topics include mosquito diversity, insecticide resistance etc.

## **TEACHING EXPERIENCE**

- Currently **Assistant Professor** in the Department of Life Science (PGD in CEART), Bangalore University, Bangalore **from 2016**.
- Worked as **Guest Faculty for 3 years** at the Centre for Applied Genetics, from 2010 to 2013 in Bangalore University, Bangalore.

## **ORIENTATION PROGRAMMES**

1. **Fourteen Days Refresher Course in Life Science** at UGC Human Resource Development Centre (HRDC), Bangalore University, during 4<sup>th</sup> to 16<sup>th</sup> July 2022.
2. **Twenty-One Days Refresher course** in Biological sciences at UGC Academic Staff college, Bangalore University, during 19th Feb 2018 to 10th March 2018.
3. **Twenty-Eight Days Orientation Programme** in Biological sciences at UGC Academic Staff college, Bangalore University, Bangalore during 10th Nov to 8th Dec 2016.

## **ACADEMIC PROFILE**

- **Qualified K-SET** (Karnataka State Eligibility Test for Lectureship) in Life Science conducted by University of Mysore in 2013
- **Ph.D** (Applied Genetics) from Centre for Applied Genetics, Bangalore University, Bangalore in 2011 (Research Supervisor – Prof. N J Shetty)  

Thesis title: Genetics and Biochemical studies in *Anopheles stephensi* – Liston.
- **M.Sc** (Applied Genetics) from Centre for Applied Genetics, Bangalore University, Bangalore, 2001-2003.
- **B.Sc** (Chemistry, Botany and Zoology), Vijaya College, Bangalore, 1998-2001.

## **RESEARCH FELLOWSHIP RECEIVED**

1. Junior Research Fellow (JRF), under the project entitled “**Genetics and Biochemical studies in *Anopheles stephensi* – Liston**” funded by Department of Science and Technology, New Delhi during 2003-2006.

## **DISSERTATION (M.Sc.)**

1. “**Comparative profile of Total Proteins for six strains of *Culex quinquefasciatus*, during their developmental stages collected from Mandya District**” at the Centre for Applied Genetics, Jnanabharathi Campus, Bangalore University, Bangalore. (2003).

## **RESEARCH PUBLICATIONS**

1. MADHUSHREE MV. RAO, LIKITH, M., KAVYA, R. and **HARIPRASAD, T P N.** 2022. Plectin as a putative novel biomarker for breast cancer: an in silico study. *Network Modeling Analysis in Health Informatics and Bioinformatics*.11:49. <https://doi.org/10.1007/s13721-022-00392-0>
2. MADHUSHREE MV RAO and **HARIPRASAD, T. P. N.** 2021. In silico analysis of a potential antidiabetic phytochemical erythrin against therapeutic targets of diabetes. *In silico Pharmacology*. 9, 5. <https://doi.org/10.1007/s40203-020-00065-8>
3. ASHOKA, R., SHETTY, N. J and **HARIPRASAD, T. P. N.** 2021. Evaluation of Gamma Radiation Induced DNA Damage in *Bombyx mori*, using Single Cell Gel Electrophoresis (Comet Assay). *Research & Reviews: A Journal of Toxicology (RRJoT)* 11(1);1-6.
4. UDAY, J, **HARIPRASAD, T. P. N.**, DEEKSHITH KUMAR N, DEEPAK K J, PUTTARAJU H P. 2019. Cloning, Expression, and Purification of Histidine-Tagged Wolbachia surface protein, *International Journal of Life Sciences Research* 7(1), 50-53.
5. GAYATHRI, D. S., HARINI, B. P. and **HARIPRASAD, T. P. N.** 2018. Comparative study on effects of carbamazepine on mating propensity, life history traits and mortality among intraspecies of *Drosophila*. *Drosophila Information Service* 101: 18-25.
6. SANJANA, S., UDAY, J. and **HARIPRASAD, T. P. N.** 2018. In-silico analysis of receptors involved in down regulation of beta 2 microglobulin (b2m): a potential drug target. *International Journal of Current Research* 10 (07), 71353-71355.
7. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2017. Sub-lethal effects of alphamethrin on life history traits of *Anopheles stephensi*, a malaria mosquito. *The Canadian Entomologist* 149(2):251-254
8. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2016. Ecological variation and resistance levels to propoxur and chlorpyrifos in *Anopheles stephensi*-Liston, a malaria mosquito from India. *International Journal of Tropical Insect Science* 36(1): 48 – 59
9. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2015. Biochemical basis of alphamethrin resistance in different life stages of *Anopheles stephensi* from Bangalore, India. *Pest Management Science*. DOI: 10.1002/ps.4194
10. **HARIPRASAD, T. P. N.** and ARUN, A. B. 2015. Resistance status to six insecticides and efficacy of two plant extracts on *Anopheles stephensi* from Mangalore. *International Journal of Mosquito Research* 2(2): 45-49.
11. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2015. Linkage Studies between dark body and ruby eye loci in *Anopheles stephensi*, an urban malaria vector in India. *International Journal of Mosquito Research* 2(2): 24-27.

12. SHETTY. N. J, **HARIPRASAD. T. P. N**, SANIL. D. and ZIN. T. 2013. Chromosomal inversions among insecticide -resistant strains of *Anopheles stephensi* Liston, a malaria mosquito. *Parasitology Research* 112(11): 3851-3857
13. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2013. Autosomal inheritance of alphamethrin, a synthetic pyrethroid, resistance in *Anopheles stephensi*- Liston, a malaria mosquito. *Bulletin of Entomological Research* 103 (5): **547-554**. doi:10.1017/S0007485313000102
14. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2010. Tests for allelism among colour mutants of *Anopheles stephensi* – Liston. *Journal of Cytology and Genetics* 11 (NS) 61-68.
15. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2009. Sienna an autosomal eye colour mutant linked with greyish brown, dark and green thorax in *Anopheles stephensi* Liston. *Journal of Cytology and Genetics* **10(2)**: 29-37.
16. SHETTY, N. J., THANT ZIN, MYIN ZU MIMM, MADHYASTHA, A. D., GHOSH, C., **HARIPRASAD, T.P.N.** and CHANDRAKALA, B. N. 2007a. Mosquito biodiversity and distribution in Mandya district, Karnataka State, India. *Entomon* **32(4)**: 263-268.
17. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2007. Dark Larvae – A new autosomal larval colour mutant in the malaria mosquito, *Anopheles stephensi* Liston. *Journal of Communicable Diseases* **39(3)**:45-51.
18. SHETTY, N. J., THANT ZIN., **HARIPRASAD, T. P. N.** and MYINN ZU MINN. 2006. Insecticide susceptibility studies in thirty stains of *Anopheles stephensi*. Liston - A Malaria vector to alphamethrin, bifenthrin (synthetic pyrethroids) and neem (a botanical insecticide). *Pestology*.**30(10)**: 21-28

#### **BOOK PUBLISHED**

1. **HARIPRASAD, T. P. N.** and SHETTY, N. J. 2017. Formal Genetics of *Anopheles stephensi*, an urban malaria vector from India. Lambert Academic Publishing Germany ISBN: 978-3-330-07526-9

#### **BOOK CHAPTERS**

1. SHETTY, N. J., **HARIPRASAD, T. P. N.** and Sanil Deepak. 2018. Insecticide resistance studies in mosquito vectors, In Advances in medico-veterinary parasitology- an Indian perspective. (Eds) A.K Yadav, Tandon V and S.L. Hoti. Panima Publishing Corporation, New Delhi.
2. H. RAVI KUMAR, S. NAGARAJU, KIRAN KRISHNAMURTHY, N. S. SURENDRA, SRINIVASARAO RAGHOTHAMA, T. G. THIPPESWAMY, **T. P. N. HARIPRASAD**, ANJALI GANJIWALE. 2023. Characterization of Crystals Isolated from the Seeds: A Comparative *In Silico* Analysis on Bioactivity of Sappan Diterpenoids in Series:

### **CONFERENCE PRESENTATIONS**

1. **HARIPRASAD T.P.N** Oral presentation on the paper entitled “Protein profile from antiepileptic drugs treated *Drosophila melanogaster*” at the **XLIII Indian Social Science Congress** in January 2020
2. **HARIPRASAD T.P.N**, D V PURUSHOTHAMA and N J SHETTY. Oral presentation on the paper entitled “Comparative protein profile in six strains of *Culex quinquefasciatus* in different life stages collected from Mandya district Karnataka” at the **International Conference on Recent Trends in Zoology, Biodiversity, Genetics and Environmental Sciences** 2018
3. D. S. GAYATHRI, **HARIPRASAD T.P.N.** and HARINI B.P Oral presentation on the paper entitled “Comparative teratogenic effect of valproic acid on development and viability of interspecies of *Drosophila*” at the **International Conference on Recent Trends in Zoology, Biodiversity, Genetics and Environmental Sciences** 2018
4. **HARIPRASAD T.P.N** and SHETTY N.J. Oral presentation on the paper entitled “Genetic Studies of Alphamethrin Resistance – a Synthetic Pyrethroid Insecticide in *Anopheles stephensi* - Liston, a Malaria Mosquito” at the **4<sup>th</sup> International Conference on Insect Science** during 14<sup>th</sup> -17<sup>th</sup> February 2013, Bangalore, India.
5. **HARIPRASAD T.P.N** and SHETTY N.J. Poster presentation on the title “Linkage analysis between dark body colour (*da*) and ruby eye colour (*ru*) mutants in *Anopheles stephensi* Liston – a malaria mosquito” at **XI All India Conference on Cytology and Genetics**, January, 23-25, 2012, Bangalore University, Bangalore 560 056.
6. **HARIPRASAD T.P.N** and SHETTY N.J. Oral presentation on the paper entitled “Inheritance of dark larva and its linkage studies in *Anopheles stephensi* Liston” at the **International Conference on Environmental pollution, water conservation and health**, July, 29-31, 2010, Bangalore India.
7. **HARIPRASAD T.P.N** Poster presentation in STEM Teacher Training Workshop on Research Based Pedagogical Tools held from 10<sup>th</sup> – 13<sup>th</sup> December at IIT Gandhinagar organised by DBT, British Council, IISEER Pune.

### **CONFERENCE / WORKSHOPS ORGANISED**

- Organised one day “Hands-on workshop on Andrology and Vitrification” on 08/09/2022 at Dept. of Life science, Bangalore University, Bangalore
- **Co-convenor:** 05 day Workshop on “Biophysics Tools and Techniques” Dept. of physics in collaboration with the Dept. of Life science, Bangalore University, Bangalore during 29<sup>th</sup> October to 2<sup>nd</sup> November 2018.

- **Local Convenor for Life Science Research Committee:** 05 day XLIII Indian Social Science Congress Conference during 17<sup>th</sup> October to 21<sup>st</sup> January 2020 at Bangalore.

### **TRAINING/WORKSHOPS**

1. One Day workshop on **The Sperm Quality- With Love from Andrology Lab**, on 23<sup>rd</sup> September 2022 at the 10th International Congress of the Academy of Clinical Embryologists (ACE-India), New Delhi.
2. Hands on Workshop on **Basics of Next Generation Sequencing** during 20 to 24 August 2018 at Institute of Bioinformatics and Applied Biotechnology, Bangalore.
3. STEM Teacher Training Workshop on Research Based Pedagogical Tools held from 10<sup>th</sup> – 13<sup>th</sup> December at IIT Gandhinagar organised by DBT, British Council, IISER Pune
4. A 5 days workshop on **Biophysics Tools and Techniques** from 29<sup>th</sup> October to 4<sup>th</sup> November 2018 organised by Dept. of Physics and Dept. of Life Science, Bangalore University.
5. One month training on **“Human cytogenetic techniques”** in Division of Human Genetics, St. John’s Hospital, Bangalore during March 2015.
6. A two day National workshop on **“DNA Barcoding concepts and applications”** at Mangalore University during 18<sup>th</sup> and 19<sup>th</sup> December 2014.
7. Three days Hands on Training in **Real Time PCR Techniques** at the Yenepoya Research Centre, Yenepoya University, Mangalore during 23-25<sup>th</sup> September 2014.
8. Hands-On Workshop on **Reference Management with ENDNOTE** conducted on 16<sup>th</sup> November, 2013, at the E-Learning Centre, Central Library, Yenepoya University.
9. Hands on Training workshop on – **Fluorescent in-situ Hybridisation (FISH)**, held on 28<sup>th</sup> Feb and 1<sup>st</sup> March, 2013 at Triesta Reference Laboratory, HCG, Bangalore, India.
10. Hands on Training workshop on – **Frontiers in Cell Biology and Biotechnology** held on December 28<sup>th</sup> and 29<sup>th</sup> 2012 at Bangalore University, Bangalore, India.
11. Hands- on Training workshop on – **Methods in clinical diagnosis: Cytogenetics, Biochemical, Molecular & Bioinformatics Approaches**, 23<sup>th</sup> July – 11<sup>th</sup> August, 2007, in Centre for Genomics, Jiwaji University, Gwalior (M.P.) Sponsored by Department of Biotechnology, Government of India, New Delhi.

## **CONFERENCES/SEMINARS ATTENDED**

1. Three days conference of 10<sup>th</sup> International Congress of the Academy of Clinical Embryologists Association from 23<sup>rd</sup> to 25<sup>th</sup> September 2022 at New Delhi.
2. Two day 7<sup>th</sup> Annual conference of KISAR held on 14<sup>th</sup> & 15<sup>th</sup> July 2018 at Hotel Le Meridien, Bengaluru.
3. Two day 6<sup>th</sup> Annual conference of KISAR held on 1<sup>st</sup> & 2<sup>nd</sup> April 2017 at Hotel Le Meridien, Bengaluru
4. Fourth International Conference on “Science and Scientist- 2016” held at Bangalore University on August 26<sup>th</sup> and 27<sup>th</sup> 2016.
5. One day Seminar on Radiation and Radioisotopes : Tools for Scientific Research held on 28<sup>th</sup> April 2014 at Mangalagangothri, Mangalore University.
6. 4<sup>th</sup> International Conference on Insect Science during 14<sup>th</sup> -17<sup>th</sup> February 2013, Bangalore, India.
7. XI All India Conference on Cytology and Genetics, January, 23-25, 2012, Bangalore University, Bangalore 560 056.
8. 99<sup>th</sup> Session of the Indian Science Congress - Organized by KIIT University, during January 2012, Bhubaneswar.
9. International Conference on Environmental pollution, water conservation and health, July, 29-31, 2010, Bangalore India.
10. Mosquito Day Celebrations held on April 26<sup>th</sup> & 27<sup>th</sup> 2008, Organized by Centre for Applied Genetics, Bangalore University, Bangalore.
11. 3<sup>rd</sup> Global Meet on Parasitic Diseases organized by Centre for Applied Genetics Bangalore University, and Indian Society for Parasitology during January 2004.
12. DNA Special Symposium - Organized by Bangalore University, Centre for Applied Genetics and Indian Society for Parasitology during January 2004.
13. 90<sup>th</sup> Session of the Indian Science Congress - Organized by ISRO, Bangalore University during January 2003, Bangalore.
14. Attended one-month classes (2002) on Cancer Genetics, at Kidwai Memorial Institute of Oncology, Bangalore, under the guidance of Dr. Sundareshan, Head, Department of Cytogenetics.



**MEMBERSHIPS IN SCIENTIFIC BODIES**

1. Life Member of Indian Science Congress (L33137)
2. Life Member of Indian Society for Assisted Reproduction (ISAR-004694)

**DECLARATION**

I hereby declare that the above given information is true to the best of my knowledge.

Date : 17/12/2022

Place : Bangalore



(Dr. T P N HARIPRASAD)