

## Dr. Ashadevi J.S.

DR ASHADEVI J.S	
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Area of Specialization:	Drosophila Genetics



### Research Publications in National and international Journals :

1. **Ashadevi J. S.** & S. R. Ramesh, 1995, Analysis of pre-adult parameters in three strains of *Drosophila nasuta nasuta*. *Drosophila Information Service*, 76:97-98.
2. **Ashadevi J. S.** & S. R. Ramesh, 1999, intraspecific variations with respect to certain components of fitness in *Drosophila nasuta nasuta* at different temperatures. *Indian Journal of Experimental Biology*, 37: 37 –42.
3. **Ashadevi J. S.** & S. R. Ramesh, 2000, Genetic and biochemical analysis of brown eye mutation in *Drosophila nasuta nasuta* & *Drosophila nasuta albomicans*. *Genetica* ,109: 235- 243.
4. **Ashadevi J. S.**, Ravi Ram K & S. R. Ramesh, 2001, Group –I male accessory gland secretory protein fraction is coded by autosomal gene: A study on Curley mutant of *Drosophila nasuta nasuta*. *Drosophila Information Service*, 84: 91-93.
5. **Ashadevi J. S.** & S. R. Ramesh, 2005, Chromosomal localization of autosomal mutations in *Drosophila nasuta nasuta* and *Drosophila nasuta albomicans*. *Journal of Genetics*, 84: 73-76.
6. Priyadarshini S., **Ashadevi J. S.**, Nagarjun V. and Prasanna K. S. 2010 Increase in *Drosophila melanogaster* longevity due to rasayana diet: Preliminary results. *J. Ayurveda & Intergrative medicine* 1: 114-118.
7. Sampath Kumar K., Chethan J. Manasa N., **Ashadevi J. S.** and H. S. Prakash,. 2012. Bioactive potential of herbaceous *Phyllanthus* species. *International Journal of Pharmacy and pharmaceutical Science*1 vol 4,457-461.
8. Vidya R and **Ashadevi J. S.** Students assessment in improving quality in Higher education.2013. Proceedings of National Seminar on continuous enhancement of Quality in higher educational Institutions. ISBN , Tirupur.
9. Manasa N., Kiran Kumar K.V., Prasanna K.S. and **Ashadevi J.S.** A Statistical Study on Longevity and Starvation Resistance in *Drosophila melanogaster* using few medicinal

plant extracts. 2014. Proceedings in National Seminar on Statistical methods and Data Analysis. ISBN No.100. Mysore.

10. KiranKumar.K.V., Prasanna K.S. and **Ashadevi J.S.**, 2014. Antioxidant potentials of *Asparagus racemosus* on aging in *Drosophila melanogaster*. Biogerontology: (communicated).

### **Popular science articles in Kannada:**

1. **Ashadevi J.S.** 2006. Angamsha krushi. Kannada Vishwakosha, Prani Vijnana, Mysore University. Page. 6-7.
2. **Ashadevi J.S.** 2006. Jeeva rasayana vijnana. Kannada Vishwakosha, Prani Vijnana, Mysore University. Page. 626-632.
3. **Ashadevi J.S.** 2006. Jeevasathwagalalu. Kannada Vishwakosha, Prani Vijnana, Mysore University. Page. 644-652.
4. **Ashadevi J.S.** 2006. Sex Determination Mechanism. Suvarna Karnataka Male, Contribution of genetics to Biology, Bangalore University. Page 120-135

### **Research paper presented in Conference / Seminar**

1. Ashadevi J. S. & S. R. Ramesh, 1995, Genetic analysis of *Drosophila nasuta* mutants. 3rd *Drosophila* Meeting, held at Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore
2. Ashadevi J. S. & S. R. Ramesh, 1997, Chromosomal localization of the few eye colour mutants of *Drosophila nasuta nasuta*. XX All India Cell Biology Conference & Symposium, Indian Society of Cell Biology, Mumbai, India.
3. Ashadevi J.S. and S. R. Ramesh Analysis of ey pigment in the wild type and mutants of D.n. nasuta and D.n. albomicans, paper presented in 5<sup>th</sup> Drosophila Meeting organized by Department of Zoology, Manasagangothri, University of Mysore held on 28-29<sup>th</sup> March 2008.
4. Jamunashri M., Manasa N., Priyadarshini S. and Ashadevi J.S. Effect of *Tinospora cordifolia* on longevity of *Drosophila melanogaster*. Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore, 19th-20th Nov. 2010.
5. Jamunashri M. and Ashadevi J.S. Effect of *Boerhaavia diffusa* on life history traits of *Drosophila melanogaster*. Paper presented in a National Conference entitled Emerging trends in Ayurveda and Herbal Drug Technology held at Teresian College, Mysore. 22-23 Nov. 2012.

6. Manasa N. ,Kiran Kumara K.V. and Ashadevi J.S. Life span extension of *Drosophila melanogaster* by supplementation of *Phyllanthus amarus* extract. Presented in National symposium, innovations in Science and Technology for inclusive development, held at Dept .of Zoology, UOM, Mysore, 3<sup>rd</sup> and 4<sup>th</sup> Jan 2014.
7. Kiran Kumar K.V. , Manasa N., Prasanna K.S. and Ashadevi J.S. Antioxidant property of *Asparagus racemosus* increases the life span of *Drosophila melanogaster*. Presented paper in KSTA Regional Conference on Science and Technology for Educational and Health care, held at JSS College of arts, commerce and Science. Ooty Road Mysore,21<sup>st</sup>-22<sup>nd</sup> Feb, 2014.
8. Veena H S and Prasanna.K.S., **Ashadevi J S**. Diversity, Species richness and abundance of butterfly in different localities of Mysore city, Karnataka, India. Paper Presented in National conference held at Govt. Science College, Bangalore on 30<sup>th</sup> and 31<sup>st</sup> Aug 2014.

#### **Participated in Seminar /Conferences / Workshop**

1. 1st *Drosophila* Meeting, Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore. 6th to 7th March, 1992.
2. 2<sup>nd</sup> *Drosophila* Meeting, Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore. 5-6th August 1993.
3. 4<sup>th</sup> *Drosophila* Meeting, Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore. 21st to 22nd March 1997.
4. “Discussion Meeting on Behavioural Ecology”, Jawarlal Nehru Centre for Advance Scientific Research, Bangalore, held at *Drosophila* Stock Centre, Department of Zoology, Manasagangothri, July, 8th to 10th,1999
5. Refresher Course in Phylogenetic Biology, Department of Science and technology, held at Department of Zoology, Manasagangothri, Univesity of Mysore, Mysore 10th –22nd July, 2006.
6. 5<sup>th</sup> *Drosophila* Meeting, Department of Science and Technology, New Delhi, organized by Department of Zoology, Manasagangothri, University of Mysore. 28th-29th Nov. 2008
7. Seminar on “ Genetic Engineering and its impacts”, on UGC sponsored, organized by Bharathi College, Bharathinagar, Karnataka. 24th Jan 2009.
8. Workshop on Hands on training course on gene expression studies and analysis, Department of Biotechnology, Government of India, conducted at Department of Studies of Biotechnology Nov. 23 to Dec 14, 2009.
9. Seminar on“Biosystematics” taxonomic awareness in the current Biotechnological scenario. UGC sponsored ,organized by Department of Zoology St. Philomena’s College, Mysore, Karnataka. on 23rd & 24th April 2010.

10. Seminar on “ Microbial Energy”, organized by Sir M. Visvesvaraya Chair and Department of Studies in Microbiology, Manasagangothri, University of Mysore, Mysore, Karnataka. on 15th Sept. 2010.
11. Workshop on Molecular techniques. UGC , New Delhi sponsored, organized by Maharani' Science College, Mysore. 3rd Feb. 2011.

#### **Worked as Resource persons/ Organizing committee Member**

1. “Orientation Course on Cytogenetics of Drosophila for teachers of Graduate College/Postgraduate institutions held on 24th-29 May 1993 at Drosophila Stock Centre DOS in Zoology, Manasagangothri , Mysore-6
2. “Orientation Course on Cytogenetics of Drosophila” for teachers of Graduate college/Postgraduate institutions of different Universities of Karnataka, held on 21st - 26th March 1994 at Drosophila Stock Centre, DOS in Zoology, Manasagangothri, Mysore-6.
3. “Orientation Course on Cytogenetics of Drosophila” for teachers of Graduate college/Postgraduate institutions of different Universities of Karnataka, held on 19th to 24th Feb., 1996, at Drosophila Stock Centre, DOS in Zoology, Manasagangothri, Mysore.
4. “Orientation Course on Cytogenetics of Drosophila” for teachers of Graduate and Postgraduate institutions of different universities of Karnataka, held on 1st to 6th March 1997 at Drosophila Stock Centre DOS in Zoology, Manasagangothri, MYsore-6.
5. Refresher course on “Genetics and Evolution” 10th-22 September 2001. Sponsored by Indian Academy of Sciences, Bangalore.
6. A UGC sponsored National Seminar on Educatuional Vision and Mission of Swami Vivakananda,150 Birth Celebrations of Swami Vivakananda held on Aug. 18-19, 2014, at Yuvaraja’s College, Mysore.
7. A UGC Sponsored National Seminar on Statistical Methods and Data Analysis, organized by Dept. of Statistics, Yuvaraja’s College, Mysore, on 26-27<sup>th</sup> Sept. 2014.

#### **Areas of interest:**

Drosophila Genetics and Ageing.

## RESEARCH PROJECTS

SL NO.	TITLE OF THE PROJECT	NAME OF THE FUNDING AGENCY	DURATION	AMOUNT
1.	Evaluation of two essential plant extracts of Ayurvedic formulations on life span and reproduction using <i>Drosophila</i> .	University of Mysore, Completed	2 years 2009-2011	1,00,000/-
2.	Effect of Shatavari ( <i>Asparagus racemosus</i> ) plant on ageing in <i>Drosophila melanogaster</i> ",	UGC Major project <b>Ongoing</b>	3 years 2012-2015	10,26,800

## RESEARCH SUPERVISION

Number of Ph. D candidates currently working - 04

UGC fellowship - 01

UGC - RGNF -01

ICMR - SRF -01

NON-NET fellowship - 01