

CURRICULUM VITAE

Name : **Dr. Bhuvaneswari. E**

Designation : Scientist-B

Qualification : M. Sc, Ph.D.

Subject Specialization : Zoology (physiology)

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Academic qualification

Degree	University / College	Subjects	Year of Passing
B.Sc	P. V. K. N Govt. College Chittoor. Affiliated to Sri Venkateswara University, Tirupati, Andhra Pradesh	Botany, Zoology, Chemistry	2004
M.Sc	Smt. N. P. S. Govt College for women Chittoor. Affiliated to Sri Venkateswara University, Tirupati, Andhra Pradesh	Zoology	2009
Ph.D.	Smt. N. P. S. Govt College for women Chittoor. Affiliated to Sri Venkateswara University, Tirupati, Andhra Pradesh	Zoology (Sericulture)	2014

Academic Research Experience

I have completed my Ph.D. in zoology (sericulture) in circadian biochemical rhythms in the digestive system of silkworm, *Bombyx mori* L. in Sri Venkateswara University, Tirupati, Andhra Pradesh. I have good experience in the digestive physiology of silkworm. During my doctoral research I was trained in biochemical analysis of silkworm digestive system and studied the impact of photo period on digestive physiology.

Research Work Experience

I have worked as a Project Assistant Fellow in the DST project entitled 'Neuromuscular systems in the silkworm *Bombyx mori* during pupal-adult metamorphosis' in the Department of Zoology Smt. N. P. S. Government College for Women, Chittoor and studied the biochemical changes in the pupae and adult with reference to its metamorphic changes. In addition to this I gained experience in the Modulation of Silk Production by Selected Nutrients and Exogenous Products in the silkworm, *Bombyx mori* L.

Presently am working on feed supplementation studies for improving young age silkworms in CRCs.

International/National conferences / workshops /meeting/training attended

- **Foundation training Program for Newly Inducted Scientist-B in CSB.** Held at CSB Bangalore, CSRTI Mysuru, CMERTI Lohdoigarh. From 29.02.2016 to 15.03.2016.
- Training programme on “**Orientation training on seed officers and analysts**”. Held at CSR&TI, Mysuru from 19th to 20th November, 2015.
- National workshop on “**Innovative technologies and best practices in sericulture**” at CSR&TI, Mysuru, on 17th & 18th November, 2015.
- **National Seminar on Recent Advances in Plant Science (2015).** Held at Dept of Botony, P. V. K. N. Government College, Chittoor on 07th & 08th March 2014.
- **International Workshop on Mushroom Cultivation (2014).** Held at Sri Venkateswara University, Tirupati. Andhrapradesh. On 12th & 13th November 2014.
- **National Workshop on Biostatistics- Theory and Practice (2011).** Held at Sri Venkateswara University, Tirupati. Andhrapradesh. On 17th & 19th February 2011.
- **Seminar on Role and Responsibilities of College Teachers in Building Modern India (2008).** Held at Smt. N. P. S Government College for Women, Chittoor on 10th March 2008.

Awards received

- I was awarded the **Project Assistant Fellowship (2012)** by Department of Science and Technology, New Delhi, India.

Research publications

Publications		Numbers
Full length Research Papers	:	11
Research Short notes	:	-
Books	:	-
Book chapters	:	-
Research abstracts	:	01
Popular articles	:	-
TV / Radio Programmes	:	-

List most important recent five publications

1. **Bhuvanewari, E.** and Sivaprasad, S. (2012). Impact of photoperiod on circadian protein and protease rhythms in the digestive system of silkworm, *Bombyx mori*. *The Bioscan*.7 (1): 175-183.
2. **Bhuvanewari, E.** and Sivaprasad, S. (2012). Impact of photoperiod on circadian carbohydrate and amylase rhythms in the digestive system of silkworm, *Bombyx mori*. *The Bioscan*. 7 (4): 579-588.
3. **Bhuvanewari, E.** and Sivaprasad, S. (2013). Impact of photoperiod on circadian trehalose and trehalase rhythms in the digestive system of silkworm, *Bombyx mori*. *J. Appl & Nat. Science*. 5 (1): 82-94.
4. Hemalatha, A., **Bhuvanewari, E.**, Sivaprasad. S. and Yellamma, K. (2014). Metamorphosis-Triggered Trans-Deamination of Amino Acids in the Silkworm, *Bombyx mori*. *Indian Journal of Applied Research*. 4 (11): 475-478.
5. Sivaprasad. S. and **Bhuvanewari, E.** (2015). Changes in the levels of proteolytic parameters in the fat body and haemolymph of *Bombyx mori* during pupal-adult metamorphosis. *Journal of Bio innovation*. 4 (5): 180-191.