

AWARD/PRIZE/CERTIFICATE

Recipient of Subject Scholarship in 1991.

Obtained First Rank in 1992 at M.Sc. degree.

Recipient of Mysore University Platinum Jubilee Merit Junior Research Fellowship in 1994.

ACADEMIC POSITIONS:

Position	Year	Institution
Associate Professor	2009 till date	Yuvaraja's College, University of Mysore.
Selection Grade Lecturer	2006 -09	Yuvaraja's College, University of Mysore.
Senior Scale Lecturer	2001 -06	Yuvaraja's College, University of Mysore.
Lecturer in Sericulture	1997-01	Yuvaraja's College, University of Mysore.
Senior Research Fellow	1996-97	DOS in Sericulture, University of Mysore, Manasagangotri, Mysore.
Junior Research Fellow	1994-96	DOS in Sericulture, University of Mysore, Manasagangotri, Mysore.
Lecturer in Sericulture	1992-94	DOS in Sericulture, University of Mysore, Manasagangotri, Mysore.
Lecturer in Sericulture	Aug 1992-Sep 1992	J S S College for Arts, Commerce and Science, Ramanuja Road, Mysore-570 004.

RESEARCH PAPERS PUBLISHED:

1. **H.B. Mahesha** and P.H.Thejaswini, Studies on isozymes of amylase, superoxide dismutase and esterase during induction of tolerance against nuclear polyhedrosis in

silkworm *Bombyx mori* L. International Journal of Pure and Applied Bioscience, 2014, **Impact Factor-0.964**. In Press

2. **H.B. Mahesha** and P.H.Thejaswini, Haemolymph glucose level of F₁ progeny raised from ethyl methanesulfonate treated silkworm *Bombyx mori* L. International Journal of Pure and Applied Bioscience, 2013, 1(4): 37-41. **Impact Factor-0.964**.
3. F.G. Kasmaei and **H.B. Mahesha**, Studies on the nucleic acids and their correlation with economic characters of silkworm *Bombyx mori* L., International Journal of Biology, Pharmacy and Allied Sciences, 2013, 2(8):1665-1677.
4. **H.B. Mahesha** and F.G. Kasmaei, Studies on the fat body biomolecules and their relationship with economic traits of silkworm *Bombyx mori* L., Asian J. Exp. Biol. Sci., 2013, 4(3):437-449.
5. **H.B. Mahesha**, F.G. Kasmaei and P.H.Thejaswini, Studies on the correlation between DNA, RNA and Proteins of *Bombyx mori* L., International Journal of Biology, Pharmacy and Allied Sciences, 2013, 2(7):1526-1534.
6. **H.B. Mahesha**, G. Rahamathulla and P.H.Thejaswini, Studies on induction of tolerance against nuclear polyhedrosis in silkworm *Bombyx mori* L. and its biochemical aspects, International Journal of Biology, Pharmacy and Allied Sciences, 2013, 2(7):1501-1512.
7. **H.B. Mahesha** and P.H.Thejaswini, Studies on haemolymph glucose level in silkworm *Bombyx mori* during cytoplasmic polyhedrosis. International Journal of Pure and Applied Bioscience, 2013, 1(3):11-16. **Impact Factor-0.964**.
8. **H.B. Mahesha** and P.H.Thejaswini, Effect of ethyl methanesulfonate on viability and commercial characters of silkworm *Bombyx mori* L., and their inheritance. International Journal of Biology, Pharmacy and Allied Sciences, 2013, 2(5): 1093-1102.
9. **H.B. Mahesha**, F.G. Kasmaei and P.H.Thejaswini, Analysis of correlation between commercial characters of silkworm *Bombyx mori* L. International Journal of Biology, Pharmacy and Allied Sciences, 2013, 2(5):1071-1082.

10. F.G. Kasmaei and **H.B. Mahesha**, Studies on the esterase and its relationship with commercial characters of silkworm *Bombyx mori* L. Annals of Biological Research, 2012, 3 (11):5273-5292
11. F.G. Kasmaei, **H.B. Mahesha** and P.H.Thejaswini, Analysis of alkaline phosphatase and its relationship with commercial characters of silkworm *Bombyx mori* L. Annals of Biological Research, 2012, 3 (11):5259-5272.
12. F.G. Kasmaei and **H.B. Mahesha**, Studies on succinate dehydrogenase and its relationship with economic characters of silkworm *Bombyx mori* L. Annals of Biological Research, 2012, 3(7):3638-3651.
13. F.G. Kasmaei and **H.B. Mahesha**, Analysis of correlation between haemolymph and midgut tissue amylase with commercial characters of silkworm *Bombyx mori* L., Annals of Biological Research, 2012, 3(7):3518-3532.
14. F.G. Kasmaei and **H.B. Mahesha**, Correlation studies on haemolymph and midgut tissue proteins with commercial characters of silkworm *Bombyx mori* L. Asian J. Exp. Biol. Sci., 2012, 3(3):642-653.
15. E. Talebi, M. Khademi, G. Subramanya, **H. B. Mahesha**, A study on straight and reciprocal crossing in F₁ hybrids using bivoltine and multivoltine silkworm, *Bombyx mori* L. (Lep.; Bombycidae) races. Journal of Entomological Research, 3(1)-2011, 43-50.
16. **H.B. Mahesha**, H.P. Krupa and P.H.Thejaswini, Effect of nuclear polyhedrosis on some biomolecules of silkworm *Bombyx mori* L., Indian Journal of Sericulture, 48(2), 126-132. 2009.
17. **H.B. Mahesha** and S. Honnaiah, Effects of ethyl methanesulfonate on meiotic chromosomes of silkworm *Bombyx mori* L. Sericologia, 42(3), 343-360. 2002. **Impact Factor-1.54.**
18. **H.B. Mahesha** and S. Honnaiah, Amylase and succinate dehydrogenase activities in F₁ progeny raised from ethyl methanesulfonate treated silkworm *Bombyx mori* L. Indian Journal of Sericulture, 41(1), 24-28. 2002.

19. **H.B. Mahesha**, P.H.Thejaswini and S. Honnaiah, Studies on the amylase and succinate dehydrogenase activity levels in silkworm *Bombyx mori* L. during the course of cytoplasmic polyhedrosis. Entomon, 27(3), 269-279.2002.
20. **H.B. Mahesha** and S. Honnaiah, Effects of cytoplasmic polyhedrosis on silkworm *Bombyx mori* L. and its transmission from generation to generation. Journal of Sericulture, 8-10(1&2), 38-43: 2002.
21. **H.B. Mahesha**, P.H.Thejaswini and S. Honnaiah, Effect of cytoplasmic polyhedrosis on haemolymph proteins of silkworm *Bombyx mori*. Annals of Entomology, 18(1): 27-32. 2000.
22. **H.B. Mahesha**, P.H.Thejaswini and S. Honnaiah, The haemolymph proteins of F₁ progeny raised from ethyl methanesulfonate treated silkworm *Bombyx mori* L. Indian Journal of Sericulture, 39(2), 139-144. 2000.
23. **H.B. Mahesha** and S. Honnaiah, Studies on the reeling performance of cocoons damaged by uzi maggot. Journal of Sericulture, 7(1&2), 30-32. 1999.

Conference/Workshop/Symposium etc.,

1. **H.B. Mahesha** and Farshid Ghasemi Kasmaei, Analysis correlation between biomolecules and commercial traits of *Bombyx mori* L. In National Symposium on Innovations in Science and Technology for inclusive development, 3-4th Jan 2014, organized by University of Mysore and Indian Science Congress Association, Bangalore Chapter at Department of Studies in Zoology, University of Mysore, Mysore.
2. **H.B. Mahesha** and D.S. Pratima and P.H.Thejaswini, Seed Priming - an eco-friendly biotechnological tool for triggering defense in Pearl millet against Downy mildew, In National Symposium on Innovations in Science and Technology for inclusive development, 3-4th Jan 2014, Organized by University of Mysore and Indian Science Congress Association, Bangalore Chapter at Department of Studies in Zoology, University of Mysore, Mysore.
3. **H.B. Mahesha** and P.H.Thejaswini, *Studies on induction of resistance against*

nuclear polyhedrosis in silkworm Bombyx mori L and its biochemical aspects. In: National Conference on Recent Trends in Animal Physiology, 29-30 October 2009, Organized by University of Mysore, Mysore.

4. **H.B.Mahesha**, Sericulture Past and Present, Workshop for JOC Worker Teachers', Organised by Govt. of Karnataka, at K.R.Sagar on 5th Feb 2009 (**Resource Person**).

Science Articles Published:

1. Article on exoskeleton has been published in Encyclopedia of Zoology, Published by University of Mysore, Mysore.2006. (Hora-asthipanjara in Kannada).

Research Guidance for M.Phil. Degree in Biotechnology:

1. Ms. H.P.Krupa - Biochemical studies in silkworm *Bombyx mori* L. during nuclear polyhedrosis. Periyar University, 2008.
2. Ms. D.S.Pratima - Histological basis of disease resistance in pearl millet against *Sclerospora graminicola*. Periyar University, 2008.
3. Ms. P.Saraswathi - Biochemical basis of disease resistance in pearl millet against *Sclerospora graminicola*. Periyar University, 2008.
4. Mrs. R. Gulnaz - Management of seed born mycoflora of maize (*zea mays*). Periyar University, 2007.

Research Guidance for Ph.D. Degree in Sericulture:

1. Mr. Farshid Ghasemi Kasmaei Obtained Ph.D. Degree in Sericulture on the Thesis entitled **Biotechnological approach to understand relationship between biomolecules and commercial traits in *Bombyx mori* L.**, University of Mysore, Mysore, 2013.
2. Mr. Rahamatulla G is working for Ph.D. degree in sericulture, University of Mysore, Mysore.

RESEARCH PROJECT (S) UNDERTAKEN:

Sl. No	Principal Investigator	Title	Supporting Agency	Year	Amount (in Rupees)
1.	Dr.H.B.Mahesh a	Studies on induction of resistance against nuclear polyhedrosis in silkworm <i>Bombyx mori</i> and its histopathological status	University Grants Commission	2009-11 (Completed)	1,30,000/-
2.	Dr.H.B.Mahesh a	Biochemical investigations of nuclear polyhedrosis in silkworm <i>Bombyx mori</i>	University Grants Commission	2005-07 (Completed)	1,00,000/-
3.	Dr.H.B.Mahesh a	Studies on resistance against nuclear polyhedrosis in silkworm <i>Bombyx mori</i> and its biochemical aspects	UGC through University of Mysore	2000-03 (Completed)	8000/-