

BIO-DATA



Name: Dr. Mahesh, D. S.

Designation: Scientist-B

Present Office Address:

Central MugaEri Research & Training Institute

Central Silk Board

Ministry of Textiles: Govt. of India

Lahdoigarh, Jorhat-785 700, Assam, INDIA

Website: www.cmerti.res.in

Email ID: maheshdnpura@gmail.com

Tel.: +91 7829139213/ +91 7411632124

Educational Qualification:

Degree / Exam Passed	University/ Board	Year	Percentage
Ph.D in Sericulture	University of Agricultural Sciences, GKVK, Bangalore, (Karnataka)	2014-17	92.70%
M.Sc (Agri.) in Sericulture	University of Agricultural Sciences, GKVK, Bangalore, (Karnataka)	2012-14	93.10 %
B.Sc.(Agriculture)	CollegeUniversity of Agricultural Sciences, GKVK, Bangalore, (Karnataka)	2008-12	74.60 %

Area of research interest/working area:

Host plant production in Sericulture, Silkworm rearing technologies, Grainage, Host plant & silkworm Physiology, Plant protection, Sericulture extension and Value addition in Sericulture.

Professional Experiences :

1. Worked as **Scientist (Sericulture)** from 01-12-2017 to 31-10-2018 in ICAR- Krishi Vigyan Kendra, V. C. Farm, Mandya under University of Agricultural Sciences, Bengaluru and involved in mandatory KVK activities (Front line demonstration, on farm testing and trainings) and various other Extension activities and Field oriented problems.
2. Worked as **Junior Research Fellow (Sericulture)** on contractual basis in the DBT funded project entitled "Characterization of Silkworm Pupal Bioprotein and Processing for Value addition" since from 19-01-2015 to 30-11-2017 in Department of Sericulture, University of Agricultural Sciences, GKVK, Bengaluru and involved in various activities in the project viz., Mulberry production, Silkworm rearing management and other value addition activities.

Awards/honour/Fellowship (if any):

2017	Awarded UAS Gold Medal for Ph.Dheld at UAS(B), GKVK, Bengaluru
2013-14	Awarded University Residential Merit Scholarship by UAS, GKVK, Bengaluru for M.Sc.
2014-17	Awarded University Residential Merit Scholarship by UAS, GKVK, Bengaluru for Ph.D

Major Projects:

Sl. No	Name of the agency	PI / Co-PI	Title	Period	Amount (in lakhs)
1	ICAR	Co-PI	Ceation of seed hubs for increasing indigenous production of pulses in India	2017-18	150

Number of Publications: 17**Journal papers:**

1. **MAHESH,D.S.,** MUTHURAJU, R., VIDYASHREE,D. N., NARAYANASWAMY, T.K. AND SUBBARAYAPPA, C.T., 2018, Influence Of Silkworm Pupal Residue Biocompost (Sprb) On Growth And Yield Parameters Of V-1 Mulberry.*Adv. Biores.,9(4):*102-106.(NAAS Rating: 4.77)
2. **MAHESH, D. S.,** DORESWAMY, C., CHIKKALINGAIAH, RAMAKRISHNA NAIKA,SUBBARAYAPPA, C. T. AND VENKATESH, M. Rearing Performances of PM X CSR₂ Fed With Mulberry Raised Through Different Organic Manures.*Adv. Biores.,9(5):*117-120. (NAAS Rating: 4.77)
3. ATHEEKUR REHMAN, H.M, RANGANATHA, A.D., KOWSALYA, K.S., AND **MAHESH, D. S.** INTEGRATED FARMING SYSTEM FOR SUSTAINABILITY, *Adv. Biores., Vol 9 (5) 2018: 197-200.* (NAAS Rating: 4.77)
4. **MAHESH, D. S.,** MUTHURAJU, R., VIDYASHREE, D. N., NARAYANASWAMY, T. K., SUBBARAYAPPA, C. T. AND RAMAKRISHNA PARAMA, V. R., 2017, Influence of Silkworm pupal residue biocompost (SPRB) on chemical and biochemical traits of V-1 mulberry. *Trends in Biosci., 10(36): 7530-7534.* (NAAS rating: 3.94)
5. **MAHESH, D. S.** AND NARAYANASWAMY, T. K., 2017, Bioresonses of mulberry to foliar spray of silkworm (*Bombyxmori.* L.) pupal protein., *Mysore. J. Agric. Sci., 51 (3): 660-665.* (NAAS Rating: 3.93)
6. **MAHESH, D. S.,** VIDHATHRI, B. S., VIDYASHREE, D. N., NARAYANASWAMY, T. K., MUTHURAJU, R. AND SUBBARAYAPPA, C. T. 2015, Mulberry biochemical composition (*Morus* spp.) – A Review. *Int. J. Curr. Microbiol. App. Sci.***6(7):** 2207-2217. (NAAS Rating: 5.38).
7. **MAHESH, D. S.,** VIDHATHRI, B. S., NARAYANASWAMY, T. K., SUBBARAYAPPA, C. T., MUTHURAJU, R. AND SHRUTHI, P., 2015, A Review –

- Bionutritional Science of Silkworm Pupal residue to Mine New ways for utilization. *Int. J. Adv. Res. Biol. Sci.*, **2**(9): (2015): 135–140. (Impact Factor: 1.615).
8. VIDHATHRI, B. S., RAMAKRISHNA PARAMA, V. R., SUBBARAYAPPA, C. T., NARAYANASWAMY, T. K., MUTHURAJU, R., **MAHESH, D. S.** AND VIDYASHREE, D. N., 2017, Isolation and detection of alpha linolenic acid from silkworm pupal residue oil (*Bombyxmori* L.) using HPLC. *Int. J. Curr. Microbiol. App. Sci.***6**(7): 2202-2206. (NAAS Rating: 5.38).
 9. MADHURI THINNALURI, BHASKAR, R. N., **MAHESH** AND NARAYANASWAMY, T. K., 2014, Effect of plant products on incidence of tukra on mulberry. *Int. J. Develop. Res.*, **4**(8): 1485-1490.
 10. MADHURI THINNALURI, BHASKAR, R. N., **MAHESH** AND NARAYANASWAMY, T. K., 2014, Evaluation of botanical extracts on the repellency property against the pink mealy bug, *Maconellicoccushirsutus* (green) in mulberry. *Int. J. Develop. Res.*, **4**(8): 1504-1507.
 11. MADHURI THINNALURI, BHASKAR, R. N., **MAHESH** AND NARAYANASWAMY, T. K., 2014, Effect of plant products on morphological parameters of tukra affected mulberry leaves,*Int. J. Sci. & Res. Pub.*, **4**(8): 1-6.

Papers published in proceedings:

1. **MAHESH, D. S.** AND DORESWAMY, C., 2015, Effect of different organic manures on soil properties in relation to growth and yield of mulberry and cocoon productivity. *Mysore. J. Agric. Sci.* **49**(1): 157.
2. VIDHATHRI, B. S., RAMAKRISHNA PARAMA, V. R., **MAHESH, D. S.**, VIDYASHREE, D. N., NARAYANASWAMY, T.K., MUTHURAJU, R. 2017, Isolation and analysis of alpha linolenic acid from mulberry silkworm pupal oil., XIII Agricultural science congress, p. 35.
3. SHANTAHNU, K., MUTHURAJU, R., VIDYASHREE, D. N., **MAHESH, D. S.**, NARAYANASWAMY, T. K. AND SUBBARAYAPPA, C.T., 2017, Isolation and characterization of silkworm pupal residue degrading microorganisms. XIII Agricultural science congress, p. 34.
4. VIDHATHRI, B. S., VIJAYALAKSHMI, VISHAKA, G.V., NARAYANASWAMY, T. K., **MAHESH, D. S.** MUTHURAJU, R., AND VIDYASHREE, D. N., 2017, Silkworm pupal residue value added products for human consumption. XIII Agricultural science congress, p. 34.

Books (Course Manuals for UG & PG students):

1. NARAYANASWAMY, T. K., **MAHESH, D. S.** AND VISHAKA, G. V. 2016, Silkworm seed and cocoon production. SER 503 (2+1), Department of Sericulture.
 2. NARAYANASWAMY, T. K., **MAHESH, D. S.** AND VISHAKA, G. V. 2016, Introduction to Sericulture. SER 201 (1+1), Department of Sericulture.
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Any other important information:

1. Developed Low cost rearing technology house for bivoltine silkworm rearing at KVK, V.C.Farm, Mandya
 2. Participated in Brain storming workshop on issues and concerns of sericulture education in state agricultural sciences held on 17th June in Seminar hall, College of Agriculture, GKVK, Bangalore-560065.
 3. Participated in workshop on soft skills and personality development from 23-09-2010 to 25-09-2010 held at college of Agriculture V. Farm., Mandya.
 4. Participated in 4th International conference in Insect Science held during 14-17th February 2013 at Department of Entomology, UAS, GKVK, Bengaluru.
 5. Participated in 103rd Indian Science Congress held at University of Mysore, Mysuru from 3rd to 7th January, 2016.
 6. Participated in the International Seminar on 'Sustainable Agriculture' cum Global Alumini Meet 2015 held on December 27 and 28, 2015 organized by the Alumini Association, UAS, Bengaluru.
 7. Participated in Post Graduate Science Week-2017 and presented research paper 'Bioresponses of mulberry through pupal protein' in the oral presentation session on 23-26th May, 2017 at UAS, Bengaluru.
 8. Participated in the XVI All India Inter Agricultural Universities Sports and Games at TNAU, Coimbatore from 22nd to 26th, February 2016.
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